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NASA TMX-69890

THE NIMBUS 4 DATA CATALOG
VOLUME 3

1 JULY THROUGH 31 AUGUST 1970
DATA ORBITS 1124-1956

GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND

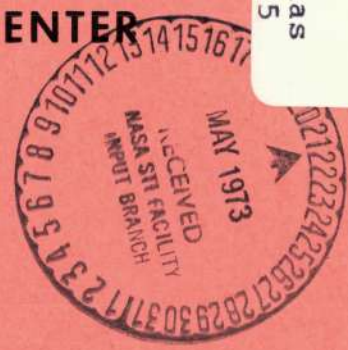
(NASA-PM-X-69890) THE NIMBUS 4 DATA
CATALOG. VOLUME 3: DATA ORBITS
1124-1956, 1 JULY - 31 AUGUST 1970
(NASA) 400 p HC \$22.00

CSCL 22C

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N73-22806



THE NIMBUS 4 DATA CATALOG

Volume 3

1 July through 31 August 1970
Data Orbits 1124 - 1956

Prepared by

Allied Research Associates, Inc.
Concord, Massachusetts

For the

Nimbus Project

March 1971

GODDARD SPACE FLIGHT CENTER
Greenbelt, Maryland

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FOREWORD

This is the third volume of a series of catalogs published by the National Aeronautics and Space Administration to document data acquired from the Nimbus 4 Meteorological Satellite. This volume covers the period from 1 July through 31 August 1970 with subsequent catalogs to contain documentation for succeeding periods throughout the useful lifetime of Nimbus 4.

Background information concerning the Nimbus 4 Meteorological Satellite system and a description of the experiments and data formats have been published separately in the Nimbus IV User's Guide, with post-launch User's Guide information changes and corrections included in the data catalogs. The Nimbus 4 catalogs present the type of data available, anomalies in the data, if any, and geographic location and time of the data.

The assembly and editing of this catalog was accomplished by the Geophysics and Aerospace Division of Allied Research Associates, Inc. (ARA), Concord, Massachusetts under contract number NAS 5-10343 with the Goddard Space Flight Center, NASA, Greenbelt, Maryland.

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SECTION 1

SUMMARY OF OPERATIONS

1.1 Introduction

Nimbus 4 was successfully launched from the Western Test Range at Vandenburg AFB, California, into a near circular orbit (587 X 593 n. mi.) at 08hr 17m 57sec Universal Time on 8 April 1970.

This third volume of the Nimbus 4 data catalog reflects complete documentation for the period 1 July 1970 through 31 August 1970, orbits 1124 to 1956.

The sensory data output and total operating time from launch (8 April 1970) through orbit 1956 on 31 August 1970 were as follows:

IDCS	24,568 Frames (Pictures)
THIR (11.5 μ m)	3136 Hours
THIR (6.7 μ m)	1825 Hours
SIRS	3133 Hours
FWS	1316 Hours (total to failure, orbit 815)
SCR	3133 Hours
MUSE	3143 Hours
IRIS	3114 Hours
BUV	3076 Hours
IRLS	7330 Frames (Data)

The Filter Wedge Spectrometer (FWS) experiment failed during orbit 815, 8 June 1970 and no further data have been received from the experiment.

Gridding of the Nimbus 4 pictorial data (IDCS and THIR) is generally accurate to within ± 1 degree of great circle arc (± 60 n. miles) at the satellite subpoint. Mean satellite attitude errors have been less than 0.5 degree of nadir.

Data from the High Data Rate Storage Subsystem (HDRSS) B has been excellent. However, a flutter in the HDRSS A, at approximately 100 Hz, has affected both the analog and digital THIR, and IDCS data. This flutter was first observed around orbit 450 and has continued to increase.

Quality of sensory data varies from satisfactory to excellent. The following subsections 1.2 to 1.11 summarize the operational highlights of the individual experiments and call attention to known data anomalies in this catalog period.

The user is referred to the Nimbus IV User's Guide for a complete description of the Nimbus 4 experiments.

1.2 The Image Dissector Camera System (IDCS) Experiment

The Image Dissector Camera System performance has been satisfactory. Pictures from HDRSS B are of good quality (see Figure 1-1 of Volume 1). HDRSS A video playbacks, with 100 Hz flutter interferences, have a somewhat reduced image quality (see Figure 1-1a of Volume 2). The Sensors "On" Table in Section 2 shows the IDCS data orbits produced from HDRSS A playbacks.

The resolution of the IDCS (2 to 3 n. miles at the subsatellite point) and the system transfer function which tends to favor tonal rendition near the white end of the gray scale, are well suited for the IDCS intended purpose of cloud mapping.

1.3 The Temperature-Humidity Infrared Radiometer (THIR) Experiment

The quality of the THIR data recorded on HDRSS B from the water vapor channel ($6.7\ \mu\text{m}$) and the window channel ($11.5\ \mu\text{m}$) has been excellent.

The quality of the HDRSS A THIR data deteriorated after orbit 450, 11 May 1970 because of increased noise caused by a flutter in this HDRSS tape recorder. Because of this, the Root Mean Square (RMS) THIR temperature variations increased (see Figure 1-1) making digitization of THIR data from HDRSS A essentially meaningless after orbit 2000. HDRSS A THIR data collected between orbits 1000 and 2000 cannot be reduced to NMRT format until a suitable filter program for these higher noise levels is devised. (THIR imagery from HDRSS A has been processed for this catalog period and is available if the user desires this product.) The Sensors "On" Table in Section 2 lists the data produced from HDRSS A playbacks. Figure 1-1b of Volume 2 is an example of a noise degraded THIR $11.5\ \mu\text{m}$ picture produced from a HDRSS A playback.

When noise is relatively low (as was the case of HDRSS B data and early HDRSS A data) it is possible to attenuate the periodic noise frequencies by filtering without seriously degrading the data. This is done upon request of the user whenever radiation maps are produced by the National Space Science Data Center. There are two basic steps involved in filtering the data. First, a Fourier analysis of sample data from the backscan housing is done to establish the "noise" frequencies present and their magnitudes. The filter program is designed to reduce these specific frequencies. Next, the digitized data are passed through the program and a filtered data tape is generated. Radiation maps are then produced from this filtered data tape.

Variations in film density can and do occur in the photographic product. The montage in Figure 1-2 of Volume 2 illustrates the orbit to orbit density variations that can occur in one day of THIR data. These variations have been attenuated photographically in the montage presentation of Section 4 by controlling the exposure time as a function of film density (dodging). Figure 1-3 of Volume 2 shows the same montage of Figure 1-2 made from dodged photographs. The dodging process brings out the details in the clouds and surfaces and makes the prints better suited for qualitative and first look analyses.

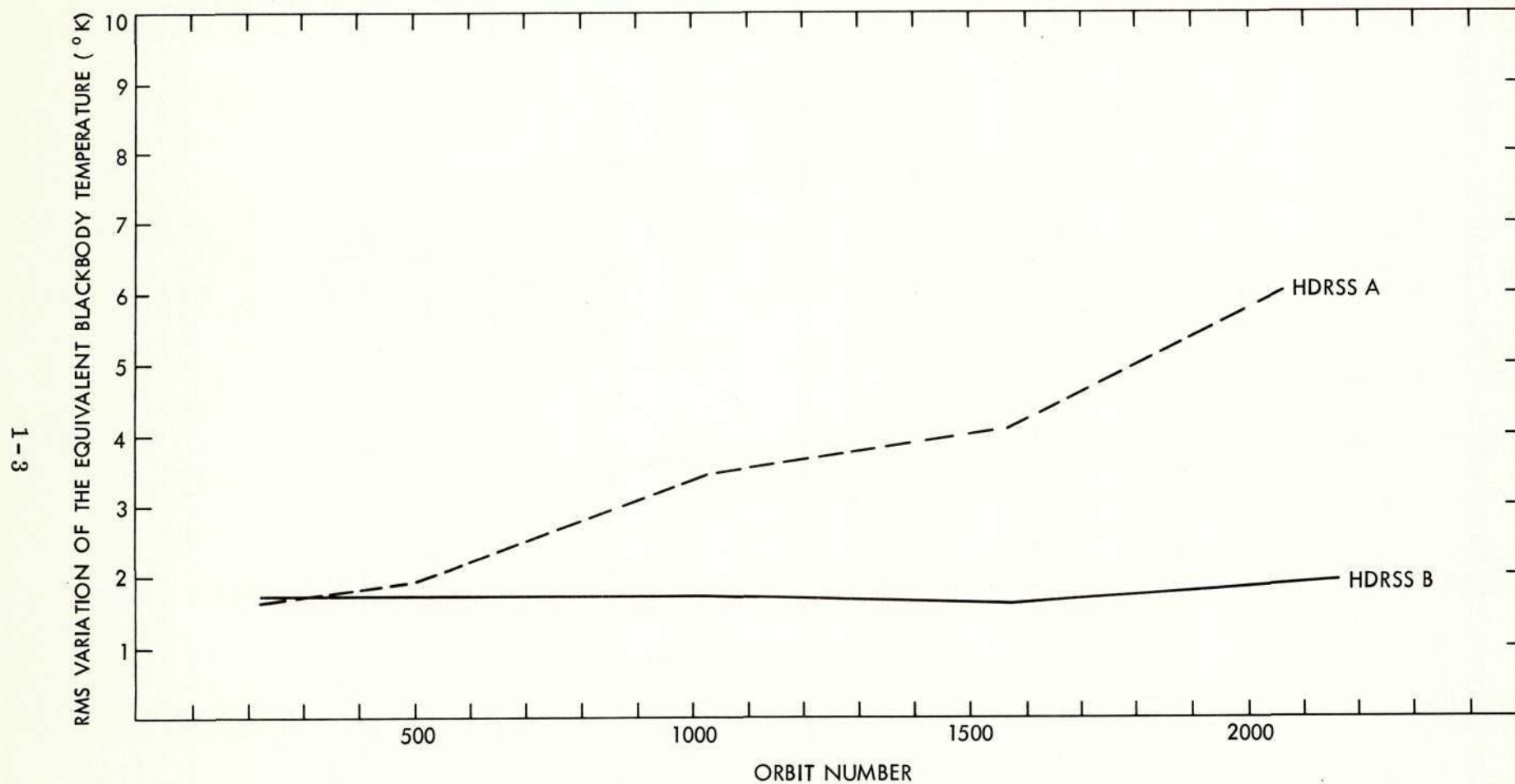


Figure 1-1. Root Mean Square (RMS) Variation of the Equivalent Blackbody Temperature in the Range 270 - 290°K from Nimbus 4 THIR 11.5 μ m Channel

Because of film density variations no accurate quantitative analyses of the temperature or radiation can be made from the film or print.

The film archived at the National Space Science Data Center (NSSDC) has been reproduced undodged (no exposure control). If dodged data are desired they must be specifically requested.

The bolometer, housing and electronic temperatures were maintained at about 19° C, 19° C and 23° C respectively throughout this catalog period.

1.4 The Infrared Interferometer Spectrometer (IRIS) Experiment*

During this period the Image Motion Compensation (IMCC) scan in the earth scan has decreased in amplitude to 3.85 degrees and has become non-linear (Figure 1-2). Since the period of earth scan remains at 13.1 seconds the degradation in amplitude and linearity is attributed to increased friction in the IMCC torque motor. There is no discernable loss of quality in the atmospheric spectra collected.

Optics and optics housing temperature remain essentially unchanged this reporting period. The neon reference signal was 2.3 volts at the beginning of July and 2.1 volts at the end of August. Responsivity and noise equivalent radiance (NER) (Figure 1-3) have remained essentially at the same level since launch.

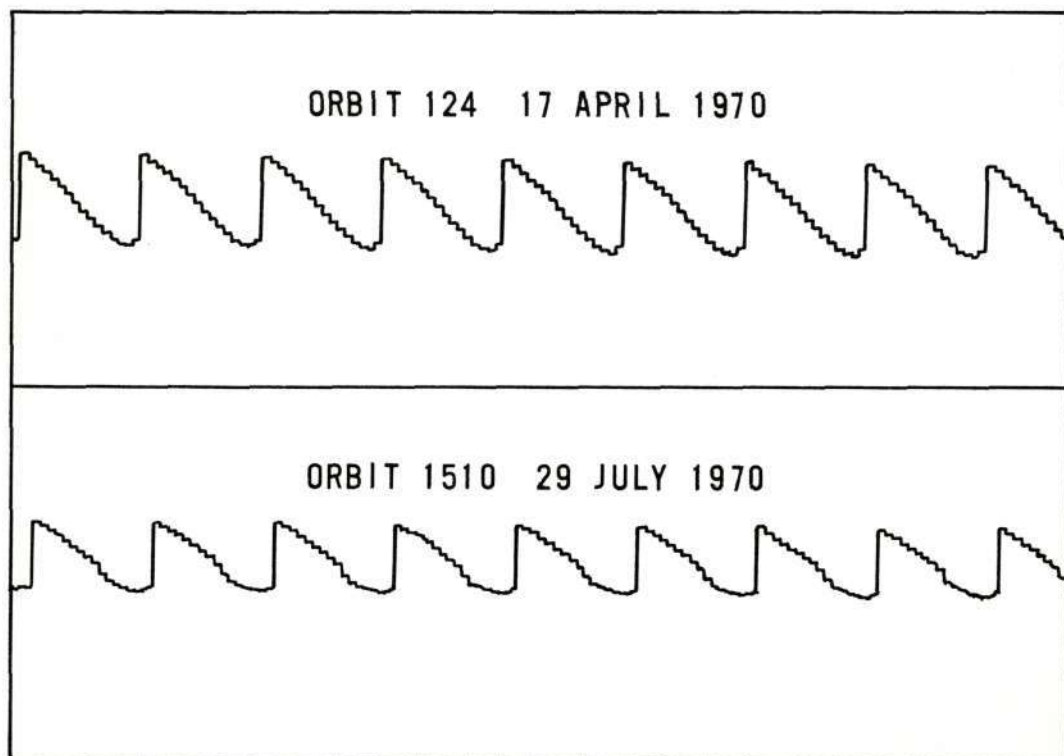


Figure 1-2. IRIS Image Motion Compensation (IMCC) Angular Scan Voltage Changes between April and July 1970

*Contributed by R. Hanel, B. Schlachman and M. Sing of NASA/GSFC.

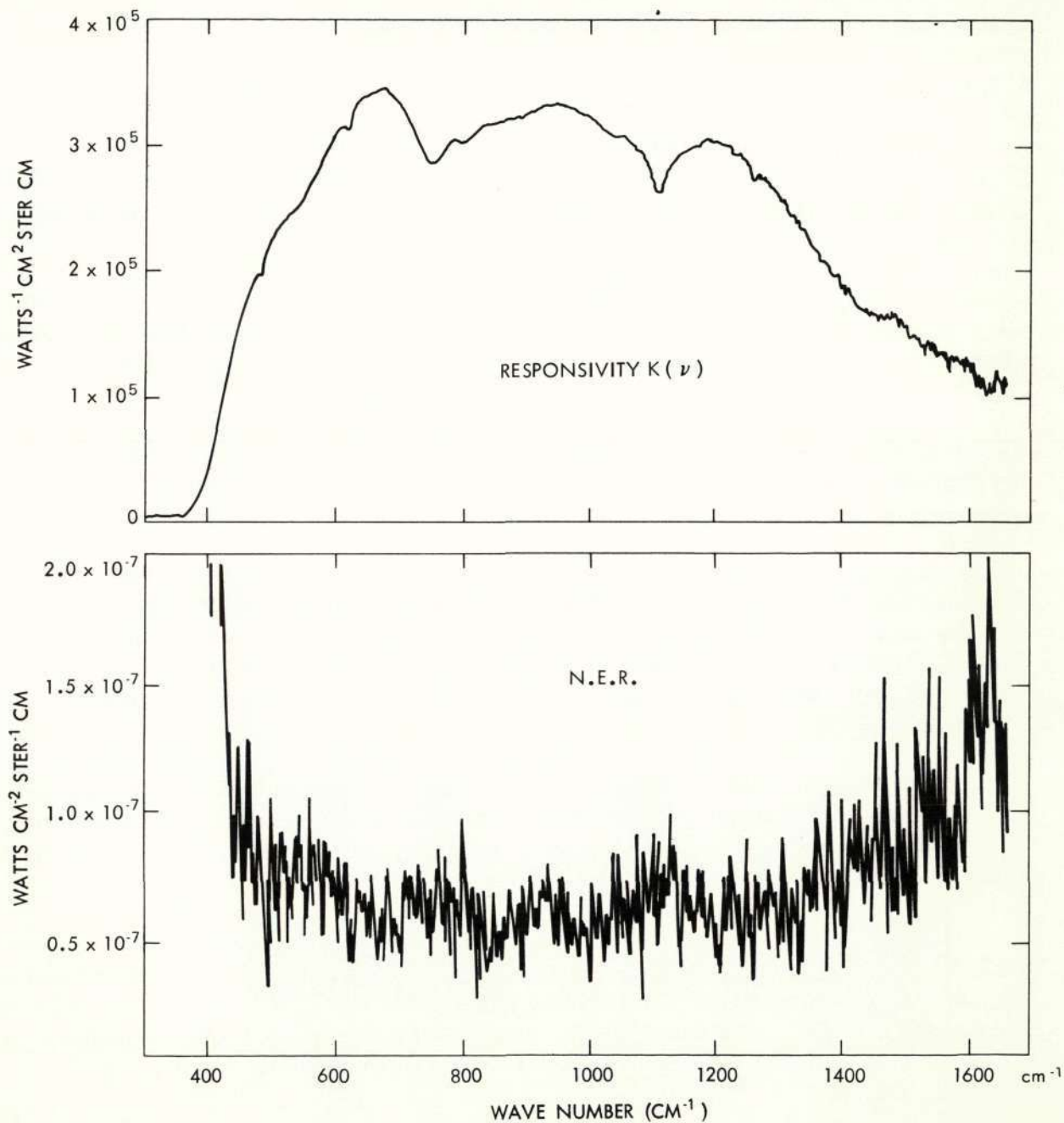


Figure 1-3. IRIS Responsivity and Noise Equivalent Radiance (N.E.R.)
for Orbit 1509, July 30, 1970

Responsivity and N.E.R. ordinate values in figures 1-6 and 1-7 of Volume 1 are incorrect. These values are corrected by the superposition of the ordinate values from figure 1-3 of this volume.

1.5 The Satellite Infrared Spectrometer (SIRS) Experiment*

1.5.1 Instrument Performance

During the period covered by this catalog the performance of some of the SIRS-B channels degraded. Channel 1 output quite frequently was at a constant level of 1023 (full scale) bits. The radiance level of any channel was set at zero whenever its output exceeded 1000 bits; users may easily exclude these data by testing every datum for zero. The first calibration showing an instability in the channel 1 gain occurred during orbit 1736. Infrequently thereafter the gain of channel 1 would be low. The use of the channel 1 data is discouraged after orbit 1736 unless precautions are taken to identify the data recorded when that channel was malfunctioning.

Channel 4 underwent a sudden 10% increase in gain that was first detected in the calibration event during orbit 1592. The last calibration event recorded prior to the gain change was during orbit 1588. Channel 4 calibration between these two orbits is not known.

Occasionally channel 9 output was reduced to a near-zero level. The radiances for channel 9 are set to zero for these periods. During calibration of orbit 1780 the output of channel 9 was less than it had been previously and continued to be erratic through the period covered by this catalog. The data from this channel should not be used after orbit 1780 without taking considerable precautions to eliminate erroneous data.

Channel 12 continued to perform erratically. These data also must be subjected to elaborate screening to identify the limited amount of usable measurements. Channel 14 also continued to perform in an unsatisfactory manner characterized by a wandering level of sensitivity.

An adjustment to the calibration constants used to compute the radiances was made at orbit 1591. These changes adjusted for the 10% changes in gain of channel 4, for minor drifts in the gains of channels 5 and 11, and for a 4% increase in the channel 14 gain due to drift. Also minor corrections to the space-viewed level were made in channels 3, 5, 8 and 11 which correspond to adjustments of less than $0.2 \text{ erg} \cdot [\text{cm}^2 \text{ sec strd cm}^{-1}]^{-1}$.

1.5.2 Data Utilization

A complete set of SIRS-A (Nimbus 3 SIRS experiment) data tapes containing radiance values through Orbit 5787, 19 June 1970, has been sent to the National

*Contributed by J. Lienesch of NESS/NOAA

Space Science Data Center at Goddard. It is expected that the initial copies of the SIRS-B (Nimbus 4 SIRS experiment) data tapes will be available within a few months. The format of these tapes will be more compact than the SIRS-A data tapes, thus enabling the user to obtain a greater amount of experimental data on each data tape.

1.6 The Monitor of Ultraviolet Solar Energy (MUSE) Experiment

The MUSE experiment has performed satisfactorily in both manual and automatic modes during this catalog period. The functional telemetry monitors have indicated a steady and stable electrometer operation. There has been no indication of electrometer drift.

The ultraviolet sensors outputs continued to follow the same trends that had been shown during the second catalog period. Sensors 1, 2, and 3 (2600Å, 1216Å, and 1800Å, respectively) decreased and Sensor 4 (2100Å) increased during this period. The only sensor that has not shown any significant change since launch is the 2800Å sensor. The gradual increase in output of the 2100Å sensor appears to be due to a change in bandwidth of the interference filter. A discussion of the long term sensor characteristics will be presented in a later volume.

1.7 The Backscatter Ultraviolet Spectrometer (BUV) Experiment

The BUV experiment continued to perform well during this period. It has been on continuously since activation on orbit 33, and data qualities have been good, with no anomalies observed.

There has been little change in subsystem temperature. Evaluation of the Master Calibration Sequence MCS-D indicates that the mercury strong line value of 2535.3Å for June has increased to 2535.6Å for this catalog period. This is well within subsystem requirements which call for a change of no more than $\pm 1\text{\AA}$ from each calibration.

The MCS-A, B and C calibrations are still susceptible to free space radiation, particularly in the area of the South Atlantic Anomaly, as indicated in Volume 1 of the catalog.

The diffuser was deployed without problems every orbit to view the sun, and to view the moon during the gibbous and full moon phases.

The photomultiplier tubes (PMT) have shown a change in gain with time. The degradation has been exponential with time and appears to be leveling off (See Figure 1-17 in Volume 1). Pre-launch calibration data have been presented in Volume 1 (Table 1-3, p. 1-25). In order to evaluate the BUV data, one must multiply the pre-launch calibration data by the ratio of gain-at-launch/gain-at-time-T-after-launch. The PMT gains for the photometer channel and the monochromator channel have averaged 1.11×10^6 and 1.72×10^6 respectively, for this catalog period.

1.8 The Filter Wedge Spectrometer (FWS) Experiment

The FWS chopper motor failed on orbit 815, June 8, 1970 precluding further reception of data. Continued attempts to restart the FWS motor have been unsuccessful. The committee investigating the failure of the chopper motor concluded that: "The most probable cause of failure of the FWS is felt to be due to debris in one or more of the bearings on the slow speed shafts of the reducer or filter wheel."

Before orbit 815, satisfactory data were received from the short wavelength channel, but icing of the bolometer prevented obtaining any usable data from the long wavelength. The committee investigating the degradation of sensory data reported that the probable cause of icing was the condensation of outgassed water vapor on the detector. Also suspected were lubricant from the gear train and adhesive used to hold superinsulation.

1.9 The Selective Chopper Radiometer (SCR) Experiment

The performance of the SCR has been satisfactory for this catalog period. Housekeeping telemetry were nominal with the exception of Channel 1 Calibration Mirror Temperature Monitor, which failed during orbit 905. No operational difficulty has resulted from this failure, since the Channel 1 mirror calibration temperature can be estimated from the Channel 2 mirror calibration temperature which is in the same housing and has been consistently 1°C to 1.5°C lower than the Channel 1 Temperature.

Examination of the calibration data showed consistent variations in space-view levels, which for channels one through five, were associated with radiometer temperature variations. These variations reduced the accuracy of the atmospheric temperature profiles derived from the SCR data. Therefore, new radiometer temperature calibration corrections were established by the experimenter for these channels. Calibration corrections for channel six will be established in the near future. All calibration data and format of the SCR tape will be published in a later volume of the catalog.

1.10 The Interrogation, Recording and Location System (IRLS) Experiment

The IRLS performance during this period was satisfactory. Three new balloons, launched during the first two weeks in July from Ascension Island, were tracked by IRLS during this catalog period as well as six balloons still operating from June launches. No new fixed platforms were interrogated during this period; however, continuing experiments were being performed with those listed in Table 1-2 of Volume 2.

Corrections to Nimbus 4 Data Catalog, Volume 2 — Table 1-3, p. 1-13, Figures 1-8 and 1-9, pp. 1-16 and 1-17:

For a U.S. Standard Atmosphere 50 mb is equivalent to 20.58 Km and 30 mb is equivalent to 23.85 Km. (From U.S. Standard Atmosphere, 1962, prepared under

sponsorship of the National Aeronautics and Space Administration, the U.S. Air Force and the U.S. Weather Service).

1.11 The Real Time Transmission System (RTTS) Experiment

The Nimbus 4 RTTS is not routinely transmitted because it interferes with the IRIS experiment. Except for initial activation during the early orbits, RTTS has been turned on for only one brief period, from orbit 353 through 356.

Distribution of the Nimbus IV Real Time Transmission System (DRID and DRIR) manual was made prior to launch to all known active APT ground stations. Gridding techniques and grid accuracies described in the manual were checked with actual data after launch. No gridding problems were encountered and grid accuracies were nominal to those listed in the manual.

SECTION 2

ORBITAL ELEMENTS AND DAILY SENSORS "ON" TABLES

The Nimbus 4 Brouwer Mean orbital elements for July and August 1970 are listed in Table 2-1.

The Daily Sensors "On" Table (Table 2-2) lists the times during which the IRIS, IDCS and THIR subsystems were turned on and off. The other subsystems (BUV, MUSE, SCR and SIRS) were on continuously during this catalog period and, therefore, are not individually listed. Data for these subsystems are available for the time spans embraced by IRIS and THIR for any orbit listed.

Orbital sensor coverage in Table 2-2 is divided between daytime (D) and nighttime (N) data. The tabulation includes both the Universal Time (UT) and longitude of orbital equator crossings for the ascending nodes for daytime (D) data and descending nodes for nighttime (N) data. The tape recorder HDRSS (A or B) used to record the data is also listed. If both are used on the same orbit, the one with the longer record time is listed first. The HDRSS with the shortest record time, listed second, represents less than 25 minutes of data. The change from one HDRSS to the other is normally indicated by the short gap of "no data" in the montage displays in Section 3 and 4.

Table 2-2 together with the World Map (Figure 2-1) and the vellum Subsatellite Tracks Overlay attached to the back of this catalog can be used to determine approximate geographic sensor coverages.

A Subsatellite Tracks Overlay is correctly oriented with the World Map when the ascending or descending node line on the overlay lays over the 0 degree latitude (equator) line of the World Map. Orbital sensor coverage is determined by placing an orbit track on the world map at the appropriate ascending node (for daytime) or descending node (for nighttime) longitude for the orbit(s) of interest.

The Subsatellite Tracks Overlay contains 14 correctly spaced tracks which end at the approximate earth day/night transitions. The tracks contain time ticks spaced 5 minutes apart, appropriately annotated at the edge of the overlay, referenced from the Equator. Minutes from equator crossings for all or part of a particular orbit are calculated by adding or subtracting from the ascending or descending node time listed for that orbit in the Daily Sensors "On" Table.

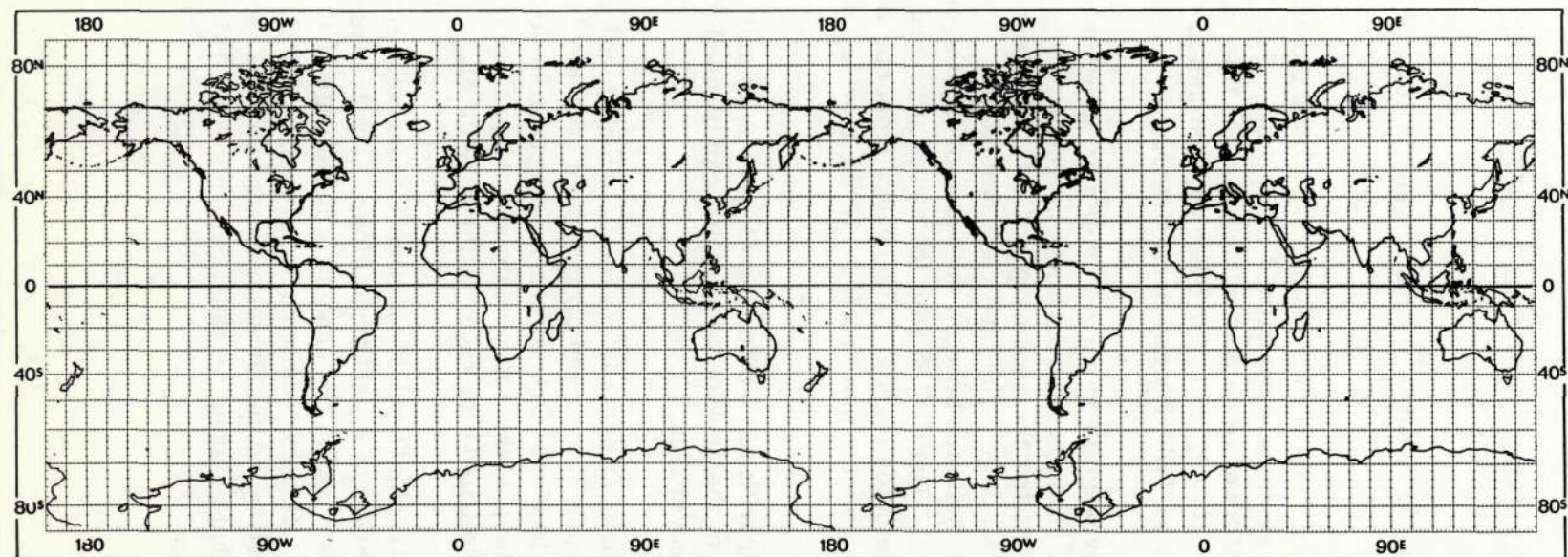


Figure 2-1 World Map

Table 2-1

NIMBUS 4 BROUWER MEAN ORBITAL ELEMENTS FOR
JULY AND AUGUST 1970

Epoch	Universal Time	15 July 1970 00 00 00	17 August 1970 00 00 00
Validity Period	Universal Time	FR 1 July 1970 00 00 00 TO 31 July 1970 23 50 00	FR 1 August 1970 00 00 00 TO 31 August 1970 23 50 00
Semi-Major Axis	Km	7471.6954	7471.6900
Eccentricity		.0008342	.0007981
Inclination	Degrees	99.8817	99.8788
Argument of Perigee	Degrees	102.1974	26.9781
Right Ascension of Ascending Node	Degrees	110.0982	142.4522
Mean Anomaly	Degrees	163.79153	288.12655
Height of Perigee	Km	1087.29	1087.56
Height of Apogee	Km	1099.76	1099.48
Anomalistic Period	Minutes	107.1238	107.1237

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 1 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1124 D	00	27	45	E 170.87	B	00 09	00 58			00 09	00 57	00 12	00 51
1124 N	01	21	15	W022.55	A	00 58	01 57						
1125 D	02	14	59	E 144.04	A	01 57	02 45						
1125 N	03	08	30	W049.33	A	02 45	02 58						
1126 D	04	02	13	E 117.23									
1126 N	04	55	44	W076.15	A	04 46	05 31	04 48	05 29	04 47	05 31		
1127 D	05	49	27	E 090.41	A	05 31	06 20			05 31	06 20	05 31	06 20
1127 N	06	42	58	W102.97	A	06 20	06 26	06 33	07 18	06 20	06 26		
1127 N	06	42	58	W102.97	A	06 32	07 18			06 33	07 18		
1128 D	07	36	42	E 063.60	A	07 18	08 07	07 34	08 08	07 18	08 07	07 21	07 32
1128 N	08	30	12	W129.78	B	08 07	09 06	08 10	09 05	08 10	09 06		
1129 D	09	23	56	E 036.81	B	09 06	09 54			09 06	09 53	09 08	09 50
1129 N	10	17	26	W156.57	A	09 54	10 53	09 54	10 52	09 54	10 53		
1130 D	11	11	10	E 010.00	A	10 53	11 39			10 53	11 39	10 56	11 37
1130 N	12	04	40	E 176.62	B	11 41	12 40	11 41	12 40	11 41	12 40		
1131 D	12	58	24	W016.83	B	12 40	13 25			12 40	13 24	12 43	13 18
1131 N	13	51	54	E 149.80	B	13 30	14 27	13 31	14 25	13 31	14 27		
1132 D	14	45	38	W043.64	B	14 27	15 16			14 27	15 08	14 30	15 05
1132 N	15	39	09	E 122.98	A	15 16	16 15	15 15	16 14	15 16	16 15		
1133 D	16	32	52	W070.43	A/B	16 15	17 03			16 15	17 03	16 17	16 52
1133 N	17	26	23	E 096.16	B	17 03	18 02	17 03	18 01	17 03	18 02		
1134 D	18	20	06	W097.24	B/A	18 02	18 50			18 02	18 50	18 04	18 50
1134 N	19	13	37	E 069.38	A	18 50	19 49	18 50	19 48	18 50	19 49		
1135 D	20	07	21	W124.06	A	19 49	20 38			19 49	20 21	19 52	20 20
1135 D	20	07	21	W124.06	A					20 25	20 38	20 27	20 37
1135 N	21	00	51	E 042.57	A	20 38	21 36	20 37	21 35	20 38	21 36		
1136 D	21	54	35	W150.87	A	21 36	22 25			21 36	22 11	21 39	22 10
1136 N	22	48	05	E 015.75	A	22 25	23 24	22 24	23 06				
1137 D	23	41	49	W177.70	A	23 24	00 14						
1137 N	00	35	19	W011.06	B			00 12	01 10	00 12	01 11		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 2 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1138 D	01	29	03	E 155.53	B	01 25	01 32			01 11	01 59		
1138 N	02	22	33	W037.85	B			01 59	02 11	01 59	02 10		
1139 D	03	16	17	E 128.70									
1139 N	04	09	48	W064.66									
1140 D	05	03	32	E 101.89									
1140 N	05	57	02	W091.49	B	05 47	06 32	05 48	06 32	05 48	06 32		
1141 D	06	50	45	E 075.07	B	06 32	07 21			06 32	07 21		
1141 N	07	44	16	W118.30	A/B	07 21	08 20	07 21	08 19	07 21	08 20		
1142 D	08	38	00	E 048.29	A	08 20	09 08	08 35	09 08	08 20	09 08	08 23	08 33
1142 N	09	31	30	W145.08	B	09 41	10 07	09 09	10 05	09 09	10 07		
1143 D	10	25	14	E 021.47	B	10 07	10 56			10 07	10 54	10 10	10 55
1143 N	11	18	44	W171.90	A	10 56	11 54	10 56	11 51	10 56	11 54		
1144 D	12	12	28	W005.34	A	11 54	12 43			11 54	12 40	11 57	12 39
1144 N	13	05	58	E 161.28	B	12 43	13 41	12 43	13 41	12 43	13 41		
1145 D	13	59	42	W032.17	B	13 41	14 30			13 41	14 24	13 44	14 19
1145 N	14	53	13	E 134.47	A	14 30	15 29	14 29	15 27	14 30	15 29		
1146 D	15	46	56	W058.94	B	15 29	16 17			15 29	16 17	15 31	16 10
1146 N	16	40	27	E 107.64	B	16 17	17 16	16 17	17 15	16 17	17 16		
1147 D	17	34	10	W085.77	B/A	17 16	18 04			17 16	18 04	17 19	18 00
1147 N	18	27	41	E 080.87	A	18 04	19 03	18 04	19 02	18 04	19 03		
1148 D	19	21	24	W112.58	A/B	19 03	19 52			19 03	19 52	19 06	19 48
1148 N	20	14	55	E 054.04	B	19 52	20 50	19 51	20 49	19 52	20 50		
1149 D	21	08	39	W139.40	B/A	20 50	21 39			20 50	21 39	20 21 53 28	21 21 35
1149 N	22	02	09	E 027.23	A	21 39	22 38	21 38	22 37	21 39	22 38		
1150 D	22	55	53	W166.21	A/B	22 38	23 26			22 38	23 26	22 40	23 11
1150 N	23	49	23	E 000.41	B	23 26	00 25	23 26	00 24	23 26	00 25		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 3 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1151 D	00	43	07	E 167.00	B	00 25	01 13			00 25	01 13	00 27	01 09
1151 N	01	36	37	W026.37	A	01 13	02 12	01 13	02 11	01 13	02 12		
1152 D	02	30	21	E 140.19	A	02 12	03 01			02 12	03 01	02 15	03 00
1152 N	03	23	51	W053.19	A	03 01	03 15	03 04	03 13	03 01	03 12		
1153 D	04	17	35	E 113.36									
1153 N	05	11	06	W080.00	A	05 03	05 47	05 03	05 46				
1154 D	06	04	49	E 086.55	A	05 47	06 37						
1154 N	06	58	20	W106.83	B	06 41	07 34	06 45	07 33	06 45	07 34		
1155 D	07	52	04	E 059.76	B	07 34	08 22			07 34	08 22	07 37	08 18
1155 N	08	45	34	W133.64	A	08 22	09 21	08 25	09 19	08 25	09 21		
1156 D	09	39	18	E 032.95	A	09 21	10 10			09 21	10 10	09 24	10 06
1156 N	10	32	48	W160.42	B	10 10	11 08	10 12	11 06	10 12	11 08		
1157 D	11	26	32	E 006.13	B	11 08	11 56			11 08	11 55	11 11	11 53
1157 N	12	20	02	E 172.76	B	12 01	12 55	12 02	12 53	12 02	12 55		
1158 D	13	13	46	W020.68	B	12 55	13 44			12 55	13 40	12 58	13 40
1158 N	14	07	16	E 145.94	A	13 44	14 43	13 44	14 40	13 44	14 43		
1159 D	15	01	00	W047.51	A	14 43	15 25			14 43	15 26		
1159 N	15	54	30	E 119.13	B	16 21	16 30	15 31	16 30	15 31	16 30		
1160 D	16	48	14	W074.28	B	16 30	17 19			16 30	17 01	16 32	17 04
1160 D	16	48	14	W074.28	B					17 13	17 19		
1160 N	17	41	44	E 092.34	B	17 19	18 17	17 18	18 16	17 19	18 17		
1161 D	18	35	28	W101.11	B	18 17	19 06			18 17	18 49	18 17 55	18 48 02
1161 N	19	28	59	E 065.53	A	19 06	20 04	19 05	20 04				
1162 D	20	22	43	W127.92	B	20 04	20 53			20 38	20 53	20 07	20 35
1162 N	21	16	13	E 038.70	B	20 53	21 52	20 53	21 49	20 53	21 52		
1163 D	22	09	57	W154.74	B	21 52	22 40			21 52	22 40	21 55	22 22
1163 N	23	03	27	E 011.89	A	22 40	23 39	22 40	23 38	22 40	23 39		
1164 D	23	57	11	E 178.48	A	23 39	00 28			23 39	00 25		
1164 N	00	50	41	W014.89	B			00 27	01 25	00 27	01 26		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 4 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1165 D	01	44	25	E 151.66	B					01 26	02 15		
1165 N	02	37	55	W041.71	B	02 16	02 26	02 14	02 24	02 15	02 27		
1166 D	03	31	39	E 124.85									
1166 N	04	25	09	W068.53	B	04 17	05 01	04 18	04 59				
1167 D	05	18	53	E 098.02	B	05 01	05 49						
1167 N	06	12	24	W095.34	B	05 49 06 01	05 56 06 48						
1168 D	07	06	07	E 071.25	B	06 48	07 36						
1168 N	07	59	38	W122.17	A	07 36	08 35			07 44	08 35		
1169 D	08	53	22	E 044.43	A	08 35	09 24			08 35	09 23		
1169 N	09	46	52	W148.94	B	09 24	10 22	09 23	10 18	09 24	10 22		
1170 D	10	40	36	E 017.61	B	10 22	11 10			10 22	11 10	10 25	11 07
1170 N	11	34	06	W175.77	A	11 11	12 09	11 11	12 08	11 11	12 09		
1171 D	12	27	50	W009.21	A	12 09	12 57			12 09	12 56	12 12	12 54
1171 N	13	21	20	E 157.42	B	13 51	13 57	12 58	13 56	12 58	13 57		
1172 D	14	15	04	W036.02	B	13 57	14 40			13 57	14 39	14 00	14 38
1172 N	15	08	34	E 130.60	A	15 31	15 44	14 45	15 42	14 45	15 44		
1173 D	16	02	18	W062.81	A/B	15 44	16 22			15 44	16 33	15 47	16 22
1173 N	16	55	48	E 103.82	B	17 11	17 31	16 32	17 30	16 33	17 31		
1174 D	17	49	32	W089.62	B/A	17 31	18 20			17 31	18 20	17 34	18 16
1174 N	18	43	02	E 077.00	A	18 20	19 18	18 19	19 17	18 20	19 18		
1175 D	19	36	46	W116.44	A/B	19 18	20 07			19 18	20 07	19 21	20 03
1175 N	20	30	17	E 050.19	B	20 07	21 06	20 06	21 04	20 07	21 06		
1176 D	21	24	01	W143.26	B/A	21 06	21 54			21 06	21 54	21 09	21 50
1176 N	22	17	31	E 023.36	A	21 54	22 53	21 54	22 51	21 54	22 53		
1177 D	23	11	15	W170.04	A/B	22 53	23 41			22 53	23 41	22 56	23 27
1177 N	00	04	45	W003.41	B	23 41	00 40	23 41	00 39	23 41	00 40		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 5 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HORS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1178 D	00	58	29	E 163.15	B	00 40	01 29			00 40	01 29		
1178 N	01	51	59	W030.23	A	01 29	02 27	01 28	02 26	01 29	02 27		
1179 D	02	45	43	E 136.33	A	02 27	03 16			02 27	03 16		
1179 N	03	39	13	W057.05	A	03 16	03 29	03 15	03 30	03 16	03 30		
1180 D	04	32	57	E 109.51									
1180 N	05	26	27	W083.87	A	05 11	06 02	05 18	06 00	05 18	06 02		
1181 D	06	20	11	E 082.70	A	06 02	06 50			06 02	06 50		
1181 N	07	13	41	W110.68	B/A	06 50	07 49	06 50	07 47	06 50	07 49		
1182 D	08	07	25	E 055.91	B	07 49	08 38	08 04	08 36	07 49	08 37	07 49	08 02
1182 N	09	00	56	W137.47	A	08 38	09 36	08 39	09 34	08 38	09 36		
1183 D	09	54	40	E 029.10	A	09 36	10 25			09 36	10 23	09 39	10 21
1183 N	10	48	10	W164.28	B	10 25	11 24	10 24	11 22	10 25	11 24		
1184 D	11	41	54	E 002.28	B	11 24	12 12			11 24	12 10	11 26	12 05
1184 N	12	35	24	E 168.91	A	12 12	13 11	12 12	13 10	12 12	13 11		
1185 D	13	29	08	W024.54	A	13 11	13 55			13 11	13 55	13 14	13 55
1185 N	14	22	38	E 142.08	B	14 41	14 58	13 59	14 56	13 59	14 58		
1186 D	15	16	22	W051.32	B/A	14 58	15 47			14 58	15 47	15 01	15 39
1186 N	16	09	52	E 115.31	A	15 47	16 45	15 46	16 44	15 47	16 45		
1187 D	17	03	36	W078.14	A/B	16 45	17 34			16 45	17 34	16 48	17 33
1187 N	17	57	06	E 088.48	B	17 34	18 32	17 33	18 32	17 34	18 32		
1188 D	18	50	50	W104.96	B/A	18 32	19 21			18 32	19 21	18 35	19 07
1188 N	19	44	20	E 061.67	A	19 21	20 20	19 20	20 19	19 21	20 20		
1189 D	20	38	04	W131.77	A/B	20 20	21 08			20 20	21 08	20 20	20 50
1189 N	21	31	35	E 034.85	B	21 08	22 07	21 08	22 04	21 08	22 07		
1190 D	22	25	19	W158.56	B	22 07	22 56			22 07	22 56		
1190 N	23	18	49	E 008.07	A	22 56	23 54	22 55	23 53	22 56	23 54		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 6 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1191 D	00	12	33	E 174.63	A	23 54	00 43			23 54	00 43		
1191 N	01	06	03	W018.75	A	00 43	00 53			00 43	00 53		
1192 D	01	59	47	E 147.81									
1192 N	02	53	17	W045.56									
1193 D	03	47	01	E 120.99									
1193 N	04	40	31	W072.39	A	04 35	05 16	04 36	05 15	04 35	05 16		
1194 D	05	34	15	E 094.17	A	05 16	06 04			05 16	06 04		
1194 N	06	27	45	W099.20	A	06 04	07 03	06 04	06 11	06 04	06 10		
1194 N	06	27	45	W099.20	A			06 20	07 01	06 20	07 03		
1195 D	07	21	29	E 067.40	A	07 03	07 52	07 18	07 52	07 03	07 52	07 03	07 16
1195 N	08	14	59	W125.99	B/A	07 52	08 21	07 52	08 49	07 52	08 50		
1196 D	09	08	43	E 040.57	B	09 21	09 39	09 05	09 38	08 50	09 38	08 50	09 04
1196 N	10	02	14	W152.80	B	09 39	10 38	09 44	10 36	09 43	10 38		
1197 D	10	55	58	E 013.76	B	10 38	11 26			10 38	11 25	10 40	11 22
1197 N	11	49	28	W179.62	A	11 26	12 25	11 26	12 23	11 26	12 25		
1198 D	12	43	12	W013.06	A	12 25	13 13			12 25	13 12	12 28	13 09
1198 N	13	36	42	E 153.57	B	13 13	14 12	13 13	14 09	13 13	14 12		
1199 D	14	30	26	W039.84	B	14 12	14 55			14 12	14 55	14 15	14 53
1199 N	15	23	56	E 126.78	B	15 02	15 59	15 03	15 58	15 03	15 59		
1200 D	16	17	40	W066.66	B/A	15 59	16 48			15 59	16 48	16 02	16 40
1200 N	17	11	10	E 099.97	A	16 48	17 46	16 47	17 45	16 48	17 46		
1201 D	18	04	54	W093.47	A/B	17 46	18 35			17 46	18 35	17 49	18 24
1201 N	18	58	24	E 073.14	B	18 35	19 34	18 34	19 32	18 35	19 34		
1202 D	19	52	08	W120.30	B	19 34	20 07			19 34	20 07	19 37	20 08
1202 D	19	52	08	W120.30	A					20 14	20 22	20 15	20 21
1202 N	20	45	38	E 046.33	A			20 22	21 20	20 22	21 21		
1203 D	21	39	22	W147.07	A	21 21	21 55			21 21	21 55	21 24	21 52
1203 N	22	32	52	E 019.54	B	22 09	23 08	22 09	23 06	22 11	23 08		
1204 D	23	26	37	W173.90	B	23 08	23 57			23 08	23 57		
1204 N	00	20	07	W007.27	B	23 57	00 55			23 57	00 05		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 7 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1205 D	01	13	51	E 159.29	A	00 55	01 44						
1205 N	02	07	21	W034.09	A	01 44	01 56						
1206 D	03	01	05	E 132.47									
1206 N	03	54	35	W060.90									
1207 D	04	48	19	E 105.66									
1207 N	05	41	49	W087.73	A	05 33	06 17						
1208 D	06	35	33	E 078.87	A	06 17	07 13						
1208 N	07	29	03	W114.50	B					07 14	08 04		
1209 D	08	22	47	E 052.06	B	08 11	08 53			08 04	08 53	08 07	08 18
1209 N	09	16	17	W141.33	A	08 53	09 52	08 54	09 51	08 54	09 52		
1210 D	10	10	02	E 025.23	A	09 52	10 39			09 52	10 39	09 54	10 32
1210 N	11	03	32	W168.14	B	10 40	11 39	10 40	11 36	10 41	11 39		
1211 D	11	57	16	W001.58	B	11 39	12 27			11 39	12 27	11 42	12 23
1211 N	12	50	46	E 165.04	A	12 28	13 26	12 28	13 25	12 27	13 26		
1212 D	13	44	30	W028.37	A	13 26	14 09			13 26	13 50	13 29	14 07
1212 N	14	38	00	E 138.26	A	14 16	15 13	14 17	15 12	14 17	15 01		
1213 D	15	31	44	W055.18	A	15 13	16 02					15 16	15 58
1213 N	16	25	14	E 111.44	B	16 02	17 01	16 01	16 59	16 02	17 01		
1214 D	17	18	58	W082.00	B/A	17 01	17 37			17 01	17 49	17 03	17 45
1214 N	18	12	28	E 084.63	A	18 11	18 48	17 49	18 47	17 49	18 48		
1215 D	19	06	12	W108.81	A/B	18 48	19 36			18 48	19 36	18 51	19 25
1215 N	19	59	42	E 057.80	B	19 36	20 35	19 36	20 34	19 36	20 35		
1216 D	20	53	26	W135.64	B/A	20 35	21 24			20 35	21 24	20 38 21 12	21 06 21 23
1216 N	21	46	56	E 030.99	A	21 24	22 22	21 27	22 21	21 24	22 22		
1217 D	22	40	41	W162.41	A/B	22 22	23 11			22 22	23 11	22 25	22 56
1217 N	23	34	10	E 004.20	B	23 11	00 09	23 10	00 08	23 11	00 09		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 8 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1218 D	00	27	55	E 170.76	B	00 09	00 58			00 09	00 58		
1218 N	01	21	25	W022.61	A	00 58	01 57						
1219 D	02	15	09	E 143.95	A	01 57	02 45						
1219 N	03	08	39	W049.43	A	02 45	03 00						
1220 D	04	02	23	E 117.13									
1220 N	04	55	53	W076.24	A	04 49	05 31	04 49	05 30	04 49	05 31		
1221 D	05	49	37	E 090.35	A	05 31	06 23			05 31	06 20		
1221 N	06	43	07	W103.03	B			06 38	07 17	06 38	07 18		
1222 D	07	36	51	E 063.53	B	07 51	08 07	07 34	08 08	07 18	08 07	07 21	07 32
1222 N	08	30	21	W129.84	A	08 07	09 06	08 10	09 04	08 10	09 06		
1223 D	09	24	05	E 036.72	A	09 06	09 53			09 06	09 53	09 08	09 50
1223 N	10	17	35	W156.67	B			09 55	10 52	09 54	10 53		
1224 D	11	11	20	E 009.89	B	11 11	11 41			10 53	11 41	10 56	11 34
1224 N	12	04	49	E 176.52	A	11 12 41 11	11 12 46 40	11 47	12 39	11 47	12 40		
1225 D	12	58	34	W016.88	A	12 40	13 25			12 40	13 25	12 43	13 31
1225 N	13	52	04	E 149.73	A	13 31	14 27	13 31	14 26	13 33	14 27		
1226 D	14	45	48	W043.71	A	14 27	15 13			14 27	15 16	14 30	15 08
1226 N	15	39	18	E 122.92	A	15 41	16 15	15 15	16 14	15 16	16 15		
1227 D	16	33	02	W070.52	A	16 15	17 03			16 15	17 03		
1227 N	17	26	32	E 096.10	A	17 03	18 02	17 03	18 02	17 03	18 02		
1228 D	18	20	16	W097.34	A/B	18 02	18 50			18 02	18 50	18 05	18 50
1228 N	19	13	46	E 069.29	B	18 50	19 49	18 50	19 48	18 50	19 49		
1229 D	20	07	30	W124.15	B/A	19 49	20 38			19 49	20 38	19 52	20 33
1229 N	21	01	00	E 042.46	A	20 38	21 36	20 40	21 35	20 38	21 36		
1230 D	21	54	44	W150.94	A/B	21 36	22 25			21 36	22 25	21 39	22 10
1230 N	22	48	14	E 015.69	B	22 25	23 23	22 24	23 23	22 25	23 23		
1231 D	23	41	59	W177.75	B/A	23 23	00 12			23 23	00 12	23 26	23 54
1231 N	00	35	28	W011.12	A	00 12	01 11	00 12	01 10	00 12	01 11		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 9 JULY 1970

DATA ORBIT	ASCEND/DESCEND NOOE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1232 D	01	29	13	E 155.42	A	01 11	02 00			01 11	02 00	01 14	01 52
1232 N	02	22	43	W037.95	B	02 11	02 58	02 20	02 56	02 19	02 58		
1233 D	03	16	27	E 128.61	B	02 58	03 47			02 58	03 47	03 01	03 42
1233 N	04	09	57	W064.76	B	03 47	03 59	03 46	03 58	03 47	03 58		
1233 N	04	09	57	W064.76	B	04 06	04 45	04 07	04 44	04 07	04 45		
1234 D	05	03	41	E 101.82	B	04 45	05 34			04 45	05 09	04 48	05 09
1234 N	05	57	11	W091.55	B	05 34	06 32						
1235 D	06	50	55	E 075.01	B	06 32	07 21						
1235 N	07	44	25	W118.36	A	07 21	08 20	07 31	08 19	07 31	08 20		
1236 D	08	38	09	E 048.20	A	08 20	09 09	08 35	09 09	08 20	09 09	08 22	08 35
1236 N	09	31	39	W145.18	B	09 10	10 07	09 10	10 06	09 10	10 07		
1237 D	10	25	23	E 021.38	B	10 07	10 55			10 07	10 53	10 10	10 51
1237 N	11	18	53	W171.99	A	10 55	11 54	10 55	11 53	10 55	11 54		
1238 D	12	12	38	W005.43	A	11 54	12 43			11 54	12 40	11 57	12 35
1238 N	13	06	07	E 161.22	B	12 43	13 41	12 42	13 38	12 43	13 41		
1239 D	13	59	52	W032.22	B	13 41	14 24			13 41	14 23	13 44	14 22
1239 N	14	53	21	E 134.41	B	14 32	15 29	14 33	15 26	14 33	15 29		
1240 D	15	47	06	W059.03	B	15 29	16 12			15 29	16 11	15 31	16 10
1240 N	16	40	36	E 107.58	A			16 17	17 15	16 17	17 16		
1241 D	17	34	20	W085.86	A	17 44	18 04			17 16	17 46	17 18	18 00
1241 D	17	34	20	W085.86	B					17 52	18 04		
1241 N	18	27	50	E 080.77	B	18 04	19 03	18 04	19 02	18 04	19 03		
1242 D	19	21	34	W112.67	B/A	19 03	19 52			19 03	19 52	19 06	19 47
1242 N	20	15	04	E 053.95	A	19 52	20 50	19 52	20 49	19 52	20 50		
1243 D	21	08	48	W139.46	A/B	20 50	21 39			20 50	21 39	20 21 53 28	21 21 38
1243 N	22	02	18	E 027.17	B	21 39	22 38	21 39	22 36	21 39	22 38		
1244 D	22	56	02	W166.27	B	22 38	23 12			22 38	23 12	22 40	23 11
1244 N	23	49	32	E 000.35									

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 10 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1245 D	00	43	17	E 166.92									
1245 N	01	36	46	W026.46	B	01 12	02 12	01 13	02 10	01 13	02 12		
1246 D	02	30	31	E 140.10	B	02 12	03 01			02 12	03 01	02 11	02 53
1246 N	03	24	00	W053.29	B	03 01	03 13			03 01	03 13		
1247 D	04	17	45	E 113.31									
1247 N	05	11	15	W080.06	B	05 04	05 46	05 04	05 46	05 03	05 46		
1248 D	06	04	59	E 086.50	B	05 46	06 35			05 46	06 35	05 49	06 31
1248 N	06	58	29	W106.89	A/B	06 35	07 34	06 35	07 30	06 35	07 34		
1249 D	07	52	13	E 059.67	A	07 34	08 22			07 34	08 22	07 36	07 47
1249 N	08	45	43	W133.70	A	08 27	09 21	08 27	09 19	08 28	09 21		
1250 D	09	39	27	E 032.86	A	09 21	10 09			09 24	10 08	09 24	10 05
1250 N	10	32	57	W160.52	A	10 14	11 08	10 15	11 05	10 15	11 08		
1251 D	11	26	41	E 006.04	A	11 08	11 57			11 08	11 54	11 11	11 53
1251 N	12	20	11	E 172.70	B	11 57	12 55	11 57	12 54	11 57	12 55		
1252 D	13	13	56	W020.74	B	12 55	13 44			12 55	13 41	12 58	13 40
1252 N	14	07	25	E 145.88	A	13 44	14 43	13 44	14 40	13 44	14 43		
1253 D	15	01	10	W047.56	A	14 43	15 31			14 43	15 25	14 45	15 20
1253 N	15	54	39	E 119.07	B	15 31	16 30	15 32	16 28	15 31	16 30		
1254 D	16	48	24	W074.37	B/A	16 30	17 18			16 30	17 18	16 33	17 18
1254 N	17	41	54	E 092.24	A	17 18	18 17	17 19	18 15	17 18	18 17		
1255 D	18	35	38	W101.20	A/B	18 17	19 06			18 17	19 06	18 17	18 51
1255 N	19	29	08	E 065.43	B	19 06	20 04	19 06	20 03	19 06	20 04		
1256 D	20	22	52	W127.97	B/A	20 04	20 53			20 04	20 53	20 07	20 49
1256 N	21	16	22	E 038.64	A	20 53	21 52	20 53	21 50	20 53	21 52		
1257 D	22	10	06	W154.80	A/B	21 52	22 40			21 52	22 40	21 54	22 22
1257 N	23	03	36	E 011.83	B	22 40	23 39	22 41	23 37	22 40	23 39		
1258 D	23	57	20	E 178.39	B	23 39	00 27			23 39	00 27	23 38	00 23
1258 N	00	50	50	W014.99	A/B	00 27	01 26	00 30	01 24	00 27	01 26		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 11 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1259 D	01	44	35	E 151.57	A	01 26	02 15			01 26	02 15	01 29	02 10
1259 N	02	38	04	W041.80	A	02 15	02 30	02 15	02 31	02 15	02 31		
1260 D	03	31	49	E 124.79									
1260 N	04	25	18	W068.59	A	04 17	05 00	04 17	04 59	04 17	05 00		
1261 D	05	19	03	E 097.97	A	05 00	05 49			05 00	05 49	05 00	05 45
1261 N	06	12	33	W095.40	A	05 49	06 19	05 49	06 19	05 49	06 19		
1262 D	07	06	17	E 071.16									
1262 N	07	59	47	W122.23	A	07 49	08 35	07 49	08 32	07 58	08 35		
1263 D	08	53	31	E 044.33	A	08 35	09 24			08 35	08 57	08 38	09 19
1263 N	09	47	01	W149.04	A	09 24	10 22	09 23	10 18	09 26	10 22		
1264 D	10	40	45	E 017.52		10 22	11 10			10 22	11 10	10 25	11 10
1264 N	11	34	15	W175.83	A	11 15	12 09	11 16	12 08	11 16	12 09		
1265 D	12	27	59	W009.27	A	12 09	12 54			12 09	12 54	12 12	12 54
1265 N	13	21	29	E 157.36	B			12 58	13 55	12 58	13 57		
1266 D	14	15	14	W036.08	B	14 16	14 45			13 57	14 40	13 59	14 41
1266 N	15	08	43	E 130.54	A	14 45	15 44	14 46	15 42	14 45	15 44		
1267 D	16	02	28	W062.90	A/B	15 44	16 32			15 44	16 32	15 47	16 21
1267 N	16	55	57	E 103.73	B	16 32	17 31	16 33	17 30	16 32	17 31		
1268 D	17	49	42	W089.71	B/A	17 31	18 20			17 31	18 20	17 30	18 05
1268 N	18	43	12	E 076.90	A	18 20	19 18	18 20	19 17	18 20	19 18		
1269 D	19	36	56	W116.50	A/B	19 18	20 07			19 18	20 07	19 21	19 49
1269 N	20	30	26	E 050.13	B	20 07	21 06	20 07	21 04	20 07	21 06		
1270 D	21	24	10	W143.31	B/A	21 06	21 38			21 06	21 54	21 08	21 50
1270 N	22	17	40	E 023.30	A			21 55	22 52	21 54	22 53		
1271 D	23	11	24	W170.14	A	23 24	23 41			22 58	23 27	22 55	23 27
1271 D	23	11	24	W170.14	B					23 32	23 41		
1271 N	00	04	54	W003.51	B	23 41	00 40	23 42	00 39	23 41	00 40		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 12 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1272 D	00	58	38	E 163.05	B	00 40	01 29			00 40	01 29	00 39	01 24
1272 N	01	52	08	W030.33	A	01 29	02 27	01 32	02 26	01 32	02 27		
1273 D	02	45	53	E 136.26	A	02 27	03 16			02 27	03 16	02 27	03 12
1273 N	03	39	22	W057.11	A	03 16	03 34	03 16	03 34	03 16	03 34		
1274 D	04	33	07	E 109.45									
1274 N	05	26	36	W083.93	A	05 17	06 02	05 18	06 01	05 17	06 02		
1275 D	06	20	21	E 082.63	A	06 02	06 50			06 02	06 50	06 05	06 46
1275 N	07	13	50	W110.74	B/A	06 50	06 57	06 50	07 47	06 50	07 49		
1276 D	08	07	35	E 055.82	B	08 11	08 39	08 05	08 29	07 49	08 37	07 48	08 02
1276 N	09	01	05	W137.57	A	08 41	09 36	08 40	09 35	08 40	09 36		
1277 D	09	54	49	E 028.99	A	09 36	10 25			09 36	10 23	09 36	10 24
1277 N	10	48	19	W164.34	B	10 25	11 23	10 25	11 22	10 25	11 23		
1278 D	11	42	03	E 002.22	B	11 23	12 12			11 23	12 09	11 26	12 08
1278 N	12	35	33	E 168.85	A	12 12	13 11	12 12	13 09	12 12	13 11		
1279 D	13	29	17	W024.61	A	13 11	13 59			13 11	13 54	13 14	13 52
1279 N	14	22	47	E 142.02	B	13 59	14 58	14 00	14 57	13 59	14 58		
1280 D	15	16	31	W051.42	B/A	14 58	15 46			14 58	15 46	15 04	15 35
1280 N	16	10	01	E 115.21	A	15 46	16 45	15 47	16 44	15 46	16 45		
1281 D	17	03	46	W078.24	A/B	16 45	17 34			16 45	17 34	16 45	17 19
1281 N	17	57	15	E 088.39	B	17 34	18 32	17 34	18 32	17 34	18 32		
1282 D	18	51	00	W105.02	B/A	18 32	19 21			18 32	19 21	18 32	19 06
1282 N	19	44	29	E 061.61	A	19 21	20 20	19 21	20 18	19 21	20 20		
1283 D	20	38	14	W131.84	A/B	20 20	21 08			20 20	21 08	20 23	20 54
1283 N	21	31	44	E 034.79	B	21 08	22 07	21 08	22 05	21 08	22 07		
1284 D	22	25	28	W158.65	B/A	22 07	22 55			22 07	22 55		
1284 N	23	18	58	E 007.98	A	22 55	23 54	22 59	23 54	22 55	23 54		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 13 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1285 D	00	12	42	E 174.52	A	23 54	00 42			23 54	00 42	23 57	00 39
1285 N	01	06	12	W018.85	B	00 44	01 41	00 44	01 40	00 44	01 41		
1286 D	01	59	56	E 147.71	B	01 41	02 30			01 41	02 30	01 41	02 29
1286 N	02	53	26	W045.62	B	02 30	02 53	02 30	02 44	02 30	02 46		
1287 D	03	47	10	E 120.92									
1287 N	04	40	40	W072.45	B	04 33	05 16	04 33	05 14	04 33	05 16		
1288 D	05	34	25	E 094.11	B	05 16	06 04			05 16	06 04	05 15	06 04
1288 N	06	27	54	W099.26	B	06 04	06 11			06 04	06 09		
1289 D	07	21	39	E 067.30	A	07 45	07 53						
1289 N	08	15	08	W126.08	B	07 58	08 50	07 59	08 50	07 58	08 50		
1290 D	09	08	53	E 040.48	B	08 50	09 37	09 06	09 38	08 50	09 37		
1290 N	10	02	23	W152.89	B	09 43	10 37	09 43	10 37	09 43	10 37		
1291 D	10	56	07	E 013.70	B	10 37	11 25			10 37	11 25	10 44	11 25
1291 N	11	49	37	W179.68	A	11 26	12 25	11 32	12 25	11 26	12 25		
1292 D	12	43	21	W013.12	A	12 25	13 13			12 25	13 08	12 31	13 06
1292 N	13	36	51	E 153.51	B	13 13	14 12	13 19	14 12	13 13	14 12		
1293 D	14	30	35	W039.93	B	14 12	15 01			14 12	14 55	14 18	14 53
1293 N	15	24	05	E 126.68	A	15 01	15 59	15 01	15 59	15 00	15 59		
1294 D	16	17	49	W066.76	A/B	15 59	16 48			15 59	16 48	16 02	16 37
1294 N	17	11	19	E 099.87	B	16 48	17 46	16 48	17 46	16 48	17 46		
1295 D	18	05	04	W093.53	B/A	17 46	18 35			17 46	18 35	17 46	18 31
1295 N	18	58	33	E 073.08	A	18 35	19 34	18 35	19 33	18 35	19 34		
1296 D	19	52	18	W120.36	A/B	19 34	20 07			19 34	20 22	19 20 36 20 11	20 04 18
1296 N	20	45	47	E 046.27	B	21 13	21 21	20 23	21 20	20 22	21 21		
1297 D	21	39	32	W147.17	B	21 21	22 09			21 21	21 54	21 24	21 55
1297 D	21	39	32	W147.17	A					22 02	22 09		
1297 N	22	33	02	E 019.45	A	22 09	23 08	22 10	23 07	22 09	23 08		
1298 D	23	26	46	W173.99	A	23 08	23 57			23 08	23 57	23 08	23 56
1298 N	00	20	16	W007.36	B	23 57	00 57	23 59	00 55	23 59	00 55		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 14 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1299 D	01	14	00	E 159.20	B	00 55	01 44			00 55	01 44	00 55	01 43
1299 N	02	07	30	W034.15	B	01 44	02 09	01 44	02 09	01 44	02 08		
1300 D	03	01	14	E 130.41									
1300 N	03	54	44	W060.96									
1303 D	04	48	28	E 105.60									
1301 N	05	41	58	W087.79	B	05 33	06 16	05 33	06 16	05 33	06 17		
1302 D	06	35	43	E 078.77	B	06 17	07 06			06 17	07 06	06 20	07 01
1302 N	07	29	12	W114.60	A/B	07 06	08 04	07 14	08 03	07 06	08 04		
1303 D	08	22	57	E 051.96	A	08 04	08 53			08 04	08 53	08 03	08 18
1303 N	09	16	26	W141.42	B	08 53	09 51	08 54	09 51	08 54	09 51		
1304 D	10	10	11	E 025.17	B	09 51	10 40			09 51	10 38	09 51	10 36
1304 N	11	03	40	W168.20	A	10 40	11 39	10 41	11 38	10 40	11 27		
1305 D	11	57	25	W001.64	A	11 39	12 27					11 45	12 23
1305 N	12	50	55	E 164.98	B	12 27	13 26	12 28	13 25	12 27	13 26		
1306 D	13	44	39	W028.46	B	13 26	14 15			13 26	14 08	13 29	14 07
1306 N	14	38	09	E 138.17	A	14 15	15 13	14 15	15 12	14 15	15 13		
1307 D	15	31	53	W055.27	A/B	15 13	16 02			15 13	16 02	15 16	15 51
1307 N	16	25	23	E 111.34	B	16 02	17 00	16 02	16 59	16 02	17 00		
1308 D	17	19	07	W082.06	B/A	17 00	17 49			17 00	17 49	17 00	17 48
1308 N	18	12	37	E 084.57	A	17 49	18 48	17 50	18 45	17 49	18 48		
1309 D	19	06	22	W108.87	A/B	18 48	19 36			18 48	19 36	18 51	19 36
1309 N	19	59	51	E 057.74	B	19 36	20 35	19 37	20 32	19 36	20 35		
1310 D	20	53	36	W135.70	B	20 35	21 23			20 35	21 08	20 21 38 21 12	21 06 21 19
1310 N	21	47	05	E 030.93	A	21 23	22 22	21 24	22 21				
1311 D	22	40	50	W162.51	B	22 22	23 11			22 57	23 11	22 25	22 53
1311 N	23	34	19	E 004.11	B	23 11	00 09	23 11	00 08	23 11	00 09		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 15 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1312 D	00	28	04	E 170.67	B	00 09	00 58			00 09	00 58	00 12	00 57
1312 N	01	21	34	W022.67	A	00 58	01 57	00 59	01 55	01 01	01 57		
1313 D	02	15	18	E 143.90	A	01 57	02 45			01 57	02 45	01 56	02 41
1313 N	03	08	48	W049.48	A	02 45	03 01	02 46	03 02	02 45	03 01		
1314 D	04	02	32	E 117.08									
1314 N	04	56	02	W076.29	A	04 47	05 31	04 48	05 30	04 48	05 31		
1315 D	05	49	46	E 090.27	A	05 31	06 20			05 31	06 20	05 31	06 19
1315 N	06	43	16	W103.12	B/A	06 20	07 18	06 20	07 17	06 20	07 18		
1316 D	07	37	01	E 063.44	B	07 18	08 07	07 34	08 07	07 18	08 07	07 18	07 28
1316 N	08	30	30	W129.93	A	08 07	09 05	08 09	09 03	08 08	09 05		
1317 D	09	24	15	E 036.67	A	09 05	09 52			09 05	09 53	09 08	09 53
1317 N	10	17	44	W156.72	B	09 54	10 53	09 55	10 52	09 55	10 53		
1318 D	11	11	29	E 009.84	B	10 53	11 41			10 53	11 37	10 56	11 37
1318 N	12	04	58	E 176.47	A	11 41	12 40	11 42	12 38	11 41	12 40		
1319 D	12	58	43	W016.97	A	12 40	13 29			12 40	13 23	12 43	13 21
1319 N	13	52	13	E 149.65	B	13 29	14 27	13 29	14 25	13 29	14 27		
1320 D	14	45	57	W043.79	B	14 27	15 16			14 27	15 10	14 37	15 08
1320 N	15	39	27	E 122.84	A	15 16	16 14	15 17	16 13	15 17	16 14		
1321 D	16	33	11	W070.57	A/B	16 14	17 03			16 14	17 03	16 14	17 02
1321 N	17	26	41	E 096.05	B	17 03	18 02	17 03	18 00	17 03	18 02		
1322 D	18	20	25	W097.39	B/A	18 02	18 50			18 02	18 50	18 05	18 46
1322 N	19	13	55	E 069.24	A	18 50	19 49	18 51	19 48	18 50	19 49		
1323 D	20	07	40	W124.20	A/B	19 49	20 37			19 49	20 37	19 52	20 33
1323 N	21	01	09	E 042.41	B	20 37	21 36	20 38	21 35	20 37	21 36		
1324 D	21	54	54	W151.03	B	21 36	22 09			21 36	22 09	21 39	22 07
1324 D	21	54	54	W151.03	A	22 15	22 25			22 15	22 25		
1324 N	22	48	23	E 015.60	A	22 25	23 23	22 25	23 22	22 25	23 23		
1325 D	23	42	08	W177.84	A	23 23	00 13			23 23	00 12	23 23	00 11
1325 N	00	35	37	W011.17	B/A			00 14	01 09	00 12	01 11		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 16 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1326 D	01	29	22	E 155.37	B					01 11	01 59	01 13	01 58
1326 N	02	22	52	W038.00	B			02 00	02 14	01 59	02 14		
1327 D	03	16	36	E 128.56									
1327 N	04	10	06	W064.81									
1328 D	05	03	50	E 101.74									
1328 N	05	57	20	W091.63	B	05 47	06 32	05 48	06 31	05 47	06 32		
1329 D	06	51	04	E 074.93	B	06 32	07 21			06 32	07 21	06 32	07 20
1329 N	07	44	34	W118.45	A/B	07 21	08 19	07 29	08 18	07 21	08 19		
1330 D	08	38	19	E 048.14	A	08 19	09 08	08 35	09 07	08 19	09 08	08 19	08 33
1330 N	09	31	48	W145.23	B	09 09	10 07	09 10	10 05	09 10	10 07		
1331 D	10	25	33	E 021.33	B	10 07	10 55			10 07	10 53	10 06	10 51
1331 N	11	19	02	W172.04	A	10 55	11 54	10 56	11 52	10 55	11 54		
1332 D	12	12	47	W005.50	A	11 54	12 43			11 54	12 40	11 57	12 38
1332 N	13	06	16	E 161.13	B	12 43	13 41	12 43	13 40	12 43	13 41		
1333 D	14	00	01	W032.31	B	13 41	14 30			13 41	14 24	13 44	14 22
1333 N	14	53	30	E 134.32	A	14 30	15 28	14 30	15 27	14 30	15 28		
1334 D	15	47	15	W059.13	A/B	15 28	16 17			15 28	16 17	15 31	16 09
1334 N	16	40	45	E 107.53	B	16 17	17 16	16 18	17 14	16 17	17 16		
1335 D	17	34	29	W085.91	B/A	17 16	18 04			17 16	18 04	17 16	18 04
1335 N	18	27	59	E 080.72	A	18 04	19 03	18 05	19 02	18 04	19 03		
1336 D	19	21	43	W112.73	A/B	19 03	19 51			19 03	19 51	19 03	19 51
1336 N	20	15	13	E 053.90	B	19 51	20 50	19 52	20 49	19 51	20 50		
1337 D	21	08	57	W139.54	B/A	20 50	21 39			20 50	21 39	20 53	21 35
1337 N	22	02	27	E 027.08	A	21 39	22 37	21 39	22 36	21 39	22 37		
1338 D	22	56	12	W166.35	A	22 37	23 10			22 37	23 11	22 40	23 08
1338 D	22	56	12	W166.35	A	23 17	23 26			23 18	23 26		
1338 N	23	49	41	E 000.30	A	23 26	00 25	23 26	00 23	23 26	00 25		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 17 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1339 D	00	43	26	E 166.86	A	00 25	01 13			00 25	01 13	00 24	01 13
1339 N	01	36	55	W026.51	B	01 13	02 12	01 17	02 11	01 13	02 12		
1340 D	02	30	40	E 140.05	B	02 12	03 00			02 12	03 00	02 11	03 00
1340 N	03	24	09	W053.34	B	03 00	03 18	03 01	03 18	03 00	03 19		
1341 D	04	17	54	E 113.22									
1341 N	05	11	24	W080.15	B	05 01	05 46	05 02	05 45	05 04	05 46		
1342 D	06	05	08	E 086.41		05 46	06 35			05 46	06 35	05 49	06 31
1342 N	06	58	38	W106.97	A/B	06 35	07 34	06 35	07 33	06 35	07 34		
1343 D	07	52	22	E 059.62	A	07 34	08 22			07 34	08 23	07 36	07 47
1343 N	08	45	52	W133.75	B	08 22	09 21	08 24	09 19	08 24	09 21		
1344 D	09	39	36	E 032.81	B	09 21	10 09			09 21	10 07	09 24	10 05
1344 N	10	33	06	W160.57	A	10 09	11 08	10 10	11 04	10 09	11 08		
1345 D	11	26	51	E 005.99	A	11 08	11 57			11 08	11 54	11 11	11 52
1345 N	12	20	20	E 172.61	B	11 57	12 55	11 57	12 54	11 57	12 55		
1346 D	13	14	05	W020.82	B	12 55	13 44			12 55	13 38	12 58	13 40
1346 N	14	07	34	E 145.79	A	13 44	14 42	13 44	14 41	13 44	14 42		
1347 D	15	01	19	W047.65	A/B	14 42	15 31			14 42	15 31	14 45	15 20
1347 N	15	54	48	E 119.02	B	15 31	16 30	15 32	16 28	15 31	16 30		
1348 D	16	48	33	W074.42	B/A	16 30	17 18			16 30	17 18	16 33	17 07
1348 N	17	42	03	E 092.19	A	17 18	18 17	17 19	18 16	17 18	18 17		
1349 D	18	35	47	W101.25	A/B	18 17	19 05			18 17	19 05	18 20	19 01
1349 N	19	29	17	E 065.38	B	19 05	20 04	19 06	20 03	19 05	20 04		
1350 D	20	23	01	W128.06	B/A	20 04	20 53			20 04	20 53	20 07	20 52
1350 N	21	16	31	E 038.56	A	20 53	21 51	20 53	21 50	20 53	21 51		
1351 D	22	10	15	W154.88	A	21 51	22 25			21 51	22 24	21 54	22 25
1351 D	22	10	15	W154.88	A	22 30	22 40			22 31	22 40		
1351 N	23	03	45	E 011.78	A	22 40	23 39	22 41	23 37	22 40	23 39		
1352 D	23	57	30	E 178.34	A	23 39	00 27			23 39	00 27	23 41	00 27
1352 N	00	50	59	W015.04	B/A	00 27	01 26	00 31	01 24	00 27	01 26		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 18 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1353 D	01	44	44	E 151.52	B	01 26	02 14			01 26	02 14	01 29	02 14
1353 N	02	38	13	W041.86	B	02 14	02 33	02 15	02 33	02 14	02 33		
1354 D	03	31	58	E 124.71									
1354 N	04	25	27	W068.68	B	04 20	05 00	04 19	04 57	04 20	05 00		
1355 D	05	19	12	E 097.88	B	05 00	05 49			05 00	05 49	05 03	05 48
1355 N	06	12	42	W095.49	B	05 49	05 55	05 49	05 55	05 49	05 55		
1355 N	06	12	42	W095.49	B	06 01	06 48	06 07	06 46	06 07	06 48		
1356 D	07	06	26	E 071.11	B	06 48	07 36			06 48	07 36	06 50	07 32
1356 N	07	59	56	W122.28	A/B	07 36	08 35	07 44	08 33	07 36	08 35		
1357 D	08	53	40	E 044.28	A	08 35	09 23	08 51	09 22	08 35	09 22	08 38	08 48
1357 N	09	47	10	W149.09	A	09 23	10 22	09 28	10 21	09 28	10 22		
1358 D	10	40	54	E 017.47	A	10 22	11 10			10 22	11 11	10 25	11 10
1358 N	11	34	24	W175.91	B	11 11	12 09	11 11	12 08	11 11	12 09		
1359 D	12	28	09	W009.35	B	12 09	12 58			12 09	12 55	12 12	12 54
1359 N	13	21	38	E 157.27	A	12 58	13 56	12 58	13 55	12 58	13 56		
1360 D	14	15	23	W036.16	A	13 56	14 45			13 56	14 41	13 59	14 41
1360 N	15	08	52	E 130.49	B	14 45	15 44	14 45	15 42	14 45	15 44		
1361 D	16	02	37	W062.95	B/A	15 44	16 32			15 44	16 32	15 47	16 21
1361 N	16	56	06	E 103.67	A	16 32	17 31	16 33	17 30	16 32	17 31		
1362 D	17	49	51	W089.76	A/B	17 31	18 07			17 31	18 20	17 34	18 19
1362 N	18	43	21	E 076.85	B	18 31	19 18	18 20	19 17	18 20	19 18		
1363 D	19	37	05	W116.59	B/A	19 18	20 07			19 18	20 07	19 21	20 03
1363 N	20	30	35	E 005.04	A	20 07	21 05	20 07	21 03	20 07	21 05		
1364 D	21	24	19	W143.40	A	21 05	21 38			21 05	21 39	21 05	21 36
1364 N	22	17	49	E 023.21									
1365 D	23	11	33	W170.19	A					23 29	23 41		
1365 N	00	05	03	W003.56	A			23 42	00 38	23 41	00 40		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 19 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP.		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1366 D	00	58	48	E 163.00	A					00 40	01 28		
1366 N	01	52	17	W030.38	B	01 30	02 27	01 30	02 26	01 30	02 27		
1367 D	02	46	02	E 136.18	B	02 27	03 16			02 27	03 16	02 30	03 15
1367 N	03	39	31	W057.20	B	03 16	03 32	03 16	03 32	03 16	03 32		
1368 D	04	33	16	E 109.37									
1368 N	05	26	45	W084.02	B	05 16	06 02	05 17	05 59	05 17	06 02		
1369 D	06	20	30	E 082.58	B	06 02	06 50			06 02	06 50	06 04	06 49
1369 N	07	13	59	W110.80	A/B	06 50	07 49	06 58	07 47	06 50	07 49		
1370 D	08	07	44	E 055.77	A	07 49	08 37	08 05	08 35	07 49	08 35	07 52	08 02
1370 N	09	01	14	W137.62	B	08 37	09 36	08 39	09 35	08 39	09 36		
1371 D	09	54	58	E 028.94	B	09 36	10 25			09 36	10 22	09 39	10 20
1371 N	10	48	28	W164.43	A	10 25	11 23	10 25	11 22	10 25	11 23		
1372 D	11	42	12	E 002.13	A	11 23	12 12			11 23	12 10	11 26	12 08
1372 N	12	35	42	E 168.76	B	12 12	13 10	12 12	13 09	12 12	13 10		
1373 D	13	29	27	W024.69	B	13 10	13 59			13 10	13 54	13 13	13 55
1373 N	14	22	56	E 141.97	A	13 59	14 58	14 00	14 55	13 59	14 58		
1374 D	15	16	41	W051.47	A/B	14 58	15 46			14 58	15 46	15 00	15 39
1374 N	16	10	10	E 115.16	B	15 46	16 45	15 47	16 44	15 46	16 45		
1375 D	17	03	55	W078.29	B/A	16 45	17 34			16 45	17 34	16 48 17 26	17 19 17 33
1375 N	17	57	24	E 088.33	A	17 34	18 32	17 34	18 31	17 34	18 32		
1376 D	18	51	09	W105.10	A	18 32	19 21			18 32	19 07	18 35	19 06
1376 N	19	44	38	E 061.52		19 21	20 19						
1377 D	20	38	23	W131.93	A	20 19	21 08			20 55	21 08		
1377 N	21	31	53	E 034.70	A	21 08	22 07	21 09	22 05	21 08	22 07		
1378 D	22	25	37	W158.70	A	22 07	22 42			22 07	22 41	22 09	22 41
1378 D	22	25	37	W158.70	A	22 48	22 55			22 48	22 55		
1378 N	23	19	07	E 007.92	A	22 55	23 54	22 56	23 53	22 55	23 54		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 20 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1379 D	00	12	51	E 174.47	A	23 54	00 42			23 54	00 42	23 57	00 38
1379 N	01	06	21	W018.90	B	00 42	01 41	00 47	01 40	00 42	01 41		
1380 D	02	00	05	E 147.66	B	01 41	02 30			01 41	02 30	01 44	02 29
1380 N	02	53	35	W045.71	B	02 30	02 49	02 30	02 48	02 30	02 49		
1381 D	03	47	20	E 120.84									
1381 N	04	40	49	W072.54	B	04 33	05 16	04 33	05 14	04 33	05 16		
1382 D	05	34	34	E 094.03	B	05 16	06 04			05 16	06 04	05 18	06 03
1382 N	06	28	03	W099.31	B	06 04	07 03			06 04	06 11		
1382 N	06	28	03	W099.31	B			06 17	07 01	06 18	07 03		
1383 D	07	21	48	E 067.24	B	07 03	07 51	07 19	07 51	07 03	07 51	07 06	07 16
1383 N	08	15	17	W126.14	A	07 51	08 50	07 54	08 49	07 54	08 50		
1384 D	09	09	02	E 040.43	A	08 50	09 39	09 06	09 37	08 50	09 37	08 53	09 03
1384 N	10	02	32	W152.95	B	09 39	10 37	09 39	10 36	09 39	10 37		
1385 D	10	56	16	E 013.60	B	10 37	11 26			10 37	11 25	10 40	11 25
1385 N	11	49	46	W179.77	A	11 26	12 24	11 27	12 23	11 27	12 24		
1386 D	12	43	30	W013.21	A	12 24	13 13			12 24	13 11	12 27	13 09
1386 N	13	37	00	E 153.45	B	13 13	14 12	13 14	14 11	13 13	14 12		
1387 D	14	30	44	E 039.98	B	14 12	15 00			14 12	14 55	14 15	14 56
1387 N	15	24	14	E 126.63	A	15 00	15 59	15 01	15 58	15 00	15 59		
1388 D	16	17	59	W066.81	A/B	15 59	16 48			15 59	16 48	16 02	16 36
1388 N	17	11	28	E 099.82	B	16 48	17 46	17 29	17 45	16 48	17 46		
1389 D	18	05	13	W093.62	B/A	17 46	18 35			17 46	18 35	17 49	18 20
1389 N	18	58	42	E 072.99	A	18 35	19 33	18 35	19 32	18 35	19 33		
1390 D	19	52	27	W120.44	A/B	19 33	20 22			19 33	20 22	19 36	20 21
1390 N	20	45	56	E 046.18	B	20 22	21 21	20 23	21 18	20 22	21 21		
1391 D	21	39	41	W147.22	B	21 21	21 54			21 21	21 54	21 23	21 51
1391 D	21	39	41	W147.22	A	22 02	22 09			22 00	22 09		
1391 N	22	33	11	E 019.39	A	22 09	23 08	22 08	23 05	22 09	23 08		
1392 D	23	26	55	W174.04	A	23 08	23 56			23 08	23 56	23 11	23 52
1392 N	00	20	25	W007.42	B/A	23 56	00 55	23 59	00 54	23 56	00 55		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 21 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1393 D	01	14	09	E 159.15	B	00 55	01 44			00 55	01 44	00 58	01 40
1393 N	02	07	39	W034.24	B	01 44	02 01	01 44	02 00	01 44	02 00		
1394 D	03	01	23	E 132.32									
1394 N	03	54	53	W061.05									
1395 D	04	48	38	E 105.51									
1395 N	05	42	07	W087.84	B	05 32	06 17	05 32	06 16	05 31	06 17		
1396 D	06	35	52	E 078.72	B	06 17	07 05			06 17	07 05	06 20	07 01
1396 N	07	29	21	W114.65	A/B	07 05	08 04	07 06	08 03	07 05	08 04		
1397 D	08	23	06	E 051.91	A	08 04	08 15	08 20	08 53	08 04	08 53	08 07	08 17
1397 N	09	16	35	W141.48	B	08 55	09 51	08 55	09 50	08 55	09 51		
1398 D	10	10	20	E 025.09	B	09 51	10 40			09 51	10 40	09 54	10 36
1398 N	11	03	49	W168.29	A	10 41	11 38	10 41	11 37	10 54	11 38		
1399 D	11	57	34	W001.73	A	11 38	12 26					11 41	12 26
1399 N	12	51	04	E 164.92	B	12 27	13 26	12 28	13 25	12 27	13 26		
1400 D	13	44	48	W028.51	B	13 26	14 11			13 26	14 10	13 29	14 10
1400 N	14	38	18	E 138.11	A			14 15	15 12	14 14	15 13		
1401 D	15	32	02	W055.32	A/B	15 46	16 02			15 13	16 02	15 16	15 54
1401 N	16	25	32	E 111.29	B	16 02	17 00	16 02	16 59	16 02	17 00		
1402 D	17	19	17	W082.15	B/A	17 00	17 49			17 00	17 49	17 03	17 38
1402 N	18	12	46	E 084.48	A	17 49	18 47	17 50	18 46	17 49	18 47		
1403 D	19	06	31	W108.96	A/B	18 47	19 36			18 47	19 36	18 50	19 35
1403 N	20	00	00	E 057.65	B	19 36	20 35	19 37	20 33	19 36	20 35		
1404 D	20	53	45	W135.75	B/A	20 35	21 23			20 35	21 23	20 21 38 21 12	21 08 21 23
1404 N	21	47	14	E 030.88	A	21 23	22 22	21 24	22 21	21 23	22 22		
1405 D	22	40	59	W162.56	A	22 22	22 56			22 22	22 55	22 25	22 49
1405 D	22	40	59	W162.56	A	23 01	23 10			23 02	23 10		
1405 N	23	34	28	E 004.05	A	23 10	00 09	23 11	00 08	23 10	00 09		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 22 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1406 D	00	28	13	E 170.62	A	00 09	00 58			00 09	00 58	00 12	00 54
1406 N	01	21	43	W022.76	B/A	00 58	01 56	01 00	01 55	00 58	01 56		
1407 D	02	15	27	E 143.80	B	01 56	02 45			01 56	02 45	01 59	02 41
1407 N	03	08	57	W049.58	B	02 45	03 01	02 45	03 02	02 45	03 02		
1408 D	04	02	41	E 116.98									
1408 N	04	56	11	W076.36	B	04 47	05 31	04 48	05 29	04 48	05 31		
1409 D	05	49	55	E 090.21	B	05 31	06 19			05 31	06 19	05 34	06 15
1409 N	06	43	25	W103.18	A/B	06 19	07 18	06 28	07 17	06 19	07 18		
1410 D	07	37	10	E 063.38	A	07 18	08 07	07 34	08 07	07 18	08 07	07 21	07 31
1410 N	08	30	39	W129.99	B	08 07	09 05	08 09	09 04	08 09	09 05		
1411 D	09	24	24	E 036.57	B	09 05	09 54			09 05	09 53	09 08	09 50
1411 N	10	17	53	W156.82	A	09 54	10 52	09 54	10 51	09 54	10 52		
1412 D	11	11	38	E 009.75	A	10 52	11 41			10 52	11 40	10 55	11 40
1412 N	12	05	07	E 176.41	B	11 41	12 40	11 42	12 38	11 42	12 40		
1413 D	12	58	52	W017.03	B	12 40	13 28			12 40	13 25	12 43	13 24
1413 N	13	52	22	E 149.58	A	13 28	14 27	13 29	14 26	13 28	14 27		
1414 D	14	46	06	W043.85	A	14 27	15 10			14 27	15 09	14 30	15 08
1414 N	15	39	36	E 122.77	B	16 12	16 14	15 16	16 13	15 16	16 14		
1415 D	16	33	20	W070.67	B/A	16 14	17 03			16 14	17 03	16 17	16 52
1415 N	17	26	50	E 095.95	A	17 03	18 01	17 03	18 00	17 03	18 01		
1416 D	18	20	34	W097.49	A/B	18 01	18 50			18 01	18 50	18 04	18 46
1416 N	19	14	04	E 069.14	B	18 50	19 49	18 50	19 47	18 50	19 49		
1417 D	20	07	49	W124.26	B/A	19 49	20 37			19 49	20 37	19 52	20 37
1417 N	21	01	18	E 042.35	A	20 37	21 36	20 38	21 35	20 37	21 36		
1418 D	21	55	03	W151.09	A	21 22 36 14	22 09 22 24			21 22 36 15	22 07 22 24	21 39	22 07
1418 N	22	48	32	E 015.54	A	22 24	23 23	22 25	23 22	22 24	23 23		
1419 D	23	42	17	W177.90	A	23 23	00 12			23 23	00 12	23 26	00 11
1419 N	00	35	46	W011.27	B	00 12	01 10	00 16	01 09	00 16	01 10		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 23 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1420 D	01	29	31	E 155.28	B	01 10	01 59			01 10	01 59	01 13	01 58
1420 N	02	23	01	W038.10	B	01 59	02 18	01 59	02 18	01 59	02 18		
1421 D	03	16	45	E 128.46									
1421 N	04	10	15	W064.87									
1422 D	05	03	59	E 101.68									
1422 N	05	57	29	W091.70	B	05 47	06 32	05 46	06 30	05 47	06 32		
1423 D	06	51	13	E 074.86	B	06 32	07 21			06 32	07 21		
1423 N	07	44	43	W118.51	A/B	07 21	08 19	07 29	08 17	07 21	08 19		
1424 D	08	38	28	E 048.04	A	08 19	09 09			08 19	09 08	08 22	09 07
1424 N	09	31	57	W145.33	B			09 10	10 04	09 10	10 07		
1425 D	10	25	42	E 021.23	B	10 12	10 55			10 07	10 53	10 09	10 51
1425 N	11	19	11	W172.11	A	10 55	11 54	10 56	11 53	10 55	11 54		
1126 D	12	12	56	W005.56	A	11 54	12 41			11 54	12 41	11 57	12 38
1426 N	13	06	25	E 161.07	B			12 43	13 40	12 42	13 41		
1427 D	14	00	10	W032.37	B	13 42	14 30			13 41	14 26	13 44	14 25
1427 N	14	53	40	E 134.26	A	14 30	15 28	14 30	15 28	14 30	15 28		
1428 D	15	47	24	W059.20	A/B	15 28	16 17			15 28	16 17	15 31	16 09
1428 N	16	40	54	E 107.43	B	16 17	17 15	16 17	17 14	16 17	17 15		
1429 D	17	34	38	W086.01	B/A	17 15	18 04			17 15	18 04	17 18	18 03
1429 N	18	28	08	E 080.62	A	18 04	19 03	18 04	19 01	18 04	19 03		
1430 D	19	21	52	W112.79	A/B	19 03	19 51			19 03	19 51	19 06	19 51
1430 N	20	15	22	E 053.83	B	19 51	20 50	19 52	20 49	19 51	20 50		
1431 D	21	09	07	W139.61	B/A	20 50	21 38			20 50	21 38	20 53	21 34
1431 N	22	02	36	E 027.02	A	21 38	22 37	21 39	22 36	21 38	22 37		
1432 D	22	56	21	W166.42	A	22 37	23 26			22 37	23 13	22 40	23 11
1432 D	22	56	21	W166.42	A					23 19	23 26		
1432 N	23	49	50	E 000.20	A	23 26	00 24	23 26	00 23	23 26	00 24		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 24 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1433 D	00	43	35	E 166.76	A	00 24	01 13			00 24	01 13	00 27	01 09
1433 N	01	37	04	W026.61	B/A	01 13	02 12	01 17	02 10	01 13	02 12		
1434 D	02	30	49	E 139.95	B	02 12	03 00			02 12	03 00	02 15	02 56
1434 N	03	24	18	W053.40	B	03 00	03 19	03 01	03 19	03 00	03 19		
1435 D	04	18	03	E 113.16									
1435 N	05	11	33	W080.21	B	05 03	05 46	05 03	05 45	05 03	05 46		
1436 D	06	05	17	E 086.35	B	05 46	06 35			05 46	06 35	05 49	06 34
1436 N	06	58	47	W107.04	A/B	06 35	06 42	06 35	07 32	06 35	07 33		
1437 D	07	52	31	E 059.52	A	08 16	08 22	07 50	08 22	07 33	08 22	07 36	07 47
1437 N	08	46	01	W133.85	B	08 23	09 21	08 24	09 19	08 24	09 21		
1438 D	09	39	45	E 032.71	B	09 21	10 09			09 21	10 08	09 23	10 08
1438 N	10	33	15	W160.67	A	10 09	11 08	10 10	11 06	10 09	11 08		
1439 D	11	27	00	E 005.92	A	11 08	11 56			11 08	11 56	11 11	11 56
1439 N	12	20	29	E 172.55	B	11 56	12 55	11 58	12 52	11 58	12 55		
1440 D	13	14	14	W020.89	B	12 55	13 44			12 55	13 40	12 58	13 36
1440 N	14	07	43	E 145.73	A	13 44	14 42	13 44	14 41	13 44	14 42		
1441 D	15	01	28	W047.71	A/B	14 42	15 31			14 42	15 31	14 45	15 23
1441 N	15	54	57	E 118.92	B	15 31	16 29	15 31	16 28	15 31	16 29		
1442 D	16	48	42	W074.52	B/A	16 29	17 18			16 29	17 18	16 36	17 07
1442 N	17	42	12	E 092.09	A	17 18	18 17	17 18	18 15	17 18	18 17		
1443 D	18	35	56	W101.31	A/B	18 17	19 05			18 17	19 05	18 20	19 05
1443 N	19	29	26	E 065.32	B	19 05	20 04	19 06	20 03	19 05	20 04		
1444 D	20	23	10	W128.12	B/A	20 04	20 39			20 04	20 52	20 07	20 48
1444 N	21	16	40	E 038.49	A			20 53	21 50	20 52	21 51		
1445 D	22	10	24	W154.95	A	21 22 52 30	22 22 24 40			21 22 51 32	22 22 24 40	21 54	22 22
1445 N	23	03	54	E 011.68	A	22 40	23 38	22 40	23 38	22 40	23 38		
1446 D	23	57	39	E 178.24	A	23 38	00 27			23 38	00 27	23 41	00 26
1446 N	00	51	08	W015.14	B	00 27	01 26	00 29	01 24	00 27	01 26		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 25 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1447 D	01	44	53	E 151.42	B	01 26	02 14			01 26	02 14	01 28	02 10
1447 N	02	38	22	W041.92	B	02 14	02 30	02 15	02 30	02 14	02 30		
1448 D	03	32	07	E 124.64									
1448 N	04	25	37	W068.74	B	04 18	05 00	04 19	04 59	04 19	05 00		
1449 D	05	19	21	E 097.82	B	05 00	05 49			05 00	05 49	05 03	05 48
1449 N	06	12	51	W095.55	B	05 49	05 56	06 02	06 46	05 49	05 55		
1449 N	06	12	51	W095.55	B	06 01	06 47			06 02	06 47		
1450 D	07	06	35	E 071.01	B	06 47	07 36	07 04	07 36	06 47	07 36	06 50	07 00
1450 N	08	00	05	W122.38	A/B	07 36	08 35	07 36	08 30	07 36	08 35		
1451 D	08	53	49	E 044.18	A	08 35	09 21	08 51	09 21	08 35	09 21	08 37	08 48
1451 N	09	47	19	W149.19	A	09 26	10 22	09 27	10 21	09 27	10 22		
1452 D	10	41	03	E 017.41	A	10 22	11 09			10 22	11 09	10 25	11 06
1452 N	11	34	33	W175.98	B	11 10	12 09	11 18	12 08	11 10	12 09		
1453 D	12	28	18	W009.42	B	12 09	12 58			12 09	12 55	12 12	12 53
1453 N	13	21	47	E 157.21	A	12 58	13 56			12 58	13 56		
1454 D	14	15	32	W036.23	A	13 56	14 45			13 56	14 44	13 59	14 37
1454 N	15	09	01	E 130.39	B	14 45	15 43	14 45	15 42	14 45	15 43		
1455 D	16	02	46	W063.05	B/A	15 43	16 32			15 43	16 32	15 46	16 21
1455 N	16	56	15	E 103.58	A	16 32	17 31	16 33	17 30	16 32	17 31		
1456 D	17	50	00	W089.83	A/B	17 31	18 19			17 31	18 19	17 18 33 12	18 05 18 19
1456 N	18	43	30	E 076.79	B	18 19	19 18	18 20	19 17	18 19	19 18		
1457 D	19	37	14	W116.65	B/A	19 18	20 06			19 18	20 06	19 21	20 06
1457 N	20	30	44	E 049.98	A	20 06	21 05	20 07	21 04	20 06	21 05		
1458 D	21	24	28	W143.46	A/B	21 05	21 39			21 05	21 54	21 08	21 49
1458 N	22	17	58	E 023.15	B	22 36	22 52	21 54	22 51	21 54	22 52		
1459 D	23	11	42	W170.29	B	22 52	23 26			22 52	23 26	22 55	23 26
1459 D	23	11	42	W170.29	A	23 31	23 41			23 33	23 41		
1459 N	00	05	12	W003.66	A	23 41	00 40	23 41	00 39	23 41	00 40		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 26 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HORSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1460 D	00	58	56	E 162.90	A	00 40	01 28			00 40	01 28	00 43	01 28
1460 N	01	52	26	W030.45	A	01 28	01 35			01 28	01 35		
1461 D	02	46	11	E 136.11									
1461 N	03	39	40	W057.26									
1462 D	04	33	25	E 109.30									
1462 N	05	26	54	W084.08	B	05 12	06 01	05 13	06 00	05 13	06 01		
1463 D	06	20	39	E 082.48	B	06 01	06 50			06 01	06 50	06 04	06 49
1463 N	07	14	08	W110.89	A/B	06 50	07 49	06 50	07 47	06 50	07 49		
1464 D	08	07	53	E 055.67	A	07 49	08 37	08 05	08 38	07 49	08 37	07 51	08 02
1464 N	09	01	23	W137.72	B	08 37	09 36	08 39	09 34	09 19	09 36		
1465 D	09	55	07	E 028.88	B	09 36	10 24			09 36	10 24	09 39	10 24
1465 N	10	48	37	W164.49	A	10 24	11 23	10 26	11 22	10 26	11 23		
1466 D	11	42	21	E 002.07	A	11 23	12 11			11 23	12 11	11 26	12 07
1466 N	12	35	51	E 168.69	B	12 12	13 10	12 12	13 09	12 12	13 10		
1467 D	13	29	35	W024.76	B	13 10	13 59			13 10	13 57	13 13	13 55
1467 N	14	23	05	E 141.87	A	13 59	14 57	13 59	14 56	13 59	14 57		
1468 D	15	16	50	W051.57	A	14 57	15 46			14 57	15 40	15 00	15 38
1468 N	16	10	19	E 115.06	B	15 46	16 45	15 47	16 44	15 46	16 45		
1469 D	17	04	04	W078.36	B/A	16 45	17 33			16 45	17 33	16 48	17 22
1469 N	17	57	33	E 088.27	A	17 33	18 32	17 34	18 31	17 33	18 32		
1470 D	18	51	18	W105.17	A/B	18 32	19 20			18 32	19 20	18 35	19 16
1470 N	19	44	47	E 061.46	B	19 20	20 19	19 21	20 18	19 20	20 19		
1471 D	20	38	32	W131.99	B/A	20 19	21 08			20 19	21 08	20 22	21 07
1471 N	21	32	02	E 034.64	A	21 08	22 06	21 08	22 05	21 08	22 06		
1472 D	22	25	46	W158.80	A	22 06	22 40			22 06	22 39	22 09	22 37
1472 D	22	25	46	W158.80	A	22 45	22 55			22 45	22 55		
1472 N	23	19	16	E 007.82	A	22 55	23 54	22 56	23 53	22 55	23 54		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 27 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1473 D	00	13	00	E 174.37	A	23 54	00 42			23 54	00 42	00 03	00 38
1473 N	01	06	30	W018.96	B	00 42	01 41	00 44	01 40	00 44	01 41		
1474 D	02	00	14	E 147.60	B	01 41	02 29			01 41	02 29	01 44	02 29
1474 N	02	53	44	W045.78	B	02 29	02 46	02 30	02 45	02 29	02 46		
1475 D	03	47	29	E 120.79									
1475 N	04	40	58	W072.60	B	04 34	05 15	04 34	05 14	04 34	05 15		
1476 D	05	34	43	E 093.96	B	05 15	06 04			05 15	06 04	05 18	06 03
1476 N	06	28	12	W099.41	B	06 04	06 12	06 04	06 12	06 04	06 12		
1476 N	06	28	12	W099.41	B	06 17	07 03	06 18	07 01	06 18	07 03		
1477 D	07	21	57	E 067.15	B	07 03	07 50	07 19	07 49	07 03	07 51	07 05	07 15
1477 N	08	15	26	W126.23	A	07 54	08 50	07 54	08 49	07 54	08 50		
1478 D	09	09	11	E 040.36	A	08 50	09 38	09 06	09 37	08 50	09 37	08 53	09 03
1478 N	10	02	41	W153.01	B	09 39	10 37	09 39	10 37	09 39	10 37		
1479 D	10	56	25	E 013.55	B	10 37	11 26			10 37	11 24	10 40	11 21
1479 N	11	49	55	W179.83	A	11 26	12 24	11 26	12 23	11 26	12 24		
1480 D	12	43	39	W013.27	A	12 24	13 13			12 24	13 10	12 27	13 09
1480 N	13	37	09	E 153.35	B	13 13	14 11	13 13	14 10	13 13	14 11		
1481 D	14	30	53	W040.09	B	14 11	15 00			14 11	14 55	14 14	14 49
1481 N	15	24	23	E 126.53	A	15 00	15 59	15 01	15 58	15 00	15 59		
1482 D	16	18	07	W066.87	A/B	15 59	16 47			15 59	16 47	16 01	16 39
1482 N	17	11	37	E 099.75	B	16 47	17 46	16 48	17 45	16 47	17 46		
1483 D	18	05	22	W093.68	B/A	17 46	18 34			17 46	18 34	17 49	18 23
1483 N	18	58	51	E 072.93	A	18 34	19 33	18 35	19 32	18 34	19 33		
1484 D	19	52	36	W120.51	A/B	19 33	20 22			19 33	20 22	19 36	20 18
1484 N	20	46	05	E 046.12	B	20 22	21 20	20 22	21 19	20 22	21 20		
1485 D	21	39	50	W147.32	B	21 20	21 53			21 20	21 54	21 23	21 54
1485 D	21	39	50	W147.32	A	22 00	22 09			22 00	22 09		
1485 N	22	33	20	E 019.29	A	22 09	23 08	22 09	22 33	22 09	23 08		
1486 D	23	27	04	W174.14	A	23 08	23 56			23 08	23 56		
1486 N	00	20	34	W007.48	B/A	23 56	00 55	23 59	00 54	23 56	00 55		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 28 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1487 D	01	14	18	E 159.08	B	00 55	01 43			00 55	01 43	00 58	01 43
1487 N	02	07	48	W034.30	B	01 43	02 01	01 44	02 01	01 43	02 01		
1488 D	03	01	32	E 132.26									
1488 N	03	55	02	W061.12									
1489 D	04	48	46	E 105.44									
1489 N	05	42	16	W087.94	B	05 32	06 17	05 33	06 15	05 33	06 17		
1490 D	06	36	01	E 078.62	B	06 17	07 05			06 17	07 05	06 19	07 01
1490 N	07	29	30	W114.75	A/B	07 05	07 15	07 05	08 03	07 05	08 04		
1491 D	08	23	15	E 051.85	A	08 22	08 49	08 20	08 53	08 04	08 52	08 07	08 17
1491 N	09	16	44	W141.54	B	08 55	09 51	08 55	09 50	08 55	09 51		
1492 D	10	10	29	E 025.02	B	09 51	10 39			09 51	10 39	09 54	10 39
1492 N	11	03	58	W168.35	A	10 42	11 38	10 40	11 37	10 40	11 25		
1493 D	11	57	43	W001.79	A	11 38	12 27					11 41	12 26
1493 N	12	51	13	E 164.82	B	12 27	13 25	12 27	13 24	12 27	13 25		
1494 D	13	44	57	W028.61	B	13 25	14 14			13 25	14 13	13 28	14 10
1494 N	14	38	27	E 138.01	A	14 14	15 13	14 15	15 12	14 15	15 13		
1495 D	15	32	11	W055.39	A/B	15 13	16 01			15 13	16 01	15 15	15 47
1495 N	16	25	41	E 111.23	B	16 01	17 00	16 02	16 59	16 01	17 00		
1496 D	17	19	25	W082.21	B/A	17 00	17 48			17 00	17 48	17 03	17 48
1496 N	18	12	55	E 084.41	A	17 48	18 47	17 49	18 46	17 48	18 47		
1497 D	19	06	39	W109.03	A/B	18 47	19 36			18 47	19 36	18 50	19 35
1497 N	20	00	09	E 057.59	B	19 36	20 34	19 36	20 33	19 36	20 34		
1498 D	20	53	54	W135.85	B/A	20 34	21 23			20 34	21 23	20 37	21 19
1498 N	21	47	23	E 030.78	A	21 23	22 22	21 23	22 20	21 23	22 22		
1499 D	22	41	08	W162.66	A	22 22	22 56			22 22	22 55	22 24	22 56
1499 D	22	41	08	W162.66	A					23 02	23 10		
1499 N	23	34	37	E 003.99	A			23 11	00 08	23 10	00 09		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 29 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1500 D	00	28	22	E 170.55	A					00 09	00 57	00 12	00 57
1500 N	01	21	52	W022.82	B/A	01 01	01 56	01 00	01 55	00 57	01 56		
1501 D	02	15	36	E 143.74	B	01 56	02 45			01 56	02 45	01 59	02 44
1501 N	03	09	06	W049.65	B	02 45	02 54	02 45	02 52	02 45	02 53		
1502 D	04	02	50	E 116.91									
1502 N	04	56	20	W076.46	B			04 49	05 31	04 48	05 31		
1503 D	05	50	04	E 090.10	B					05 31	06 19	05 33	06 15
1503 N	06	43	34	W103.28	A/B	06 22	07 18	06 19	07 16	06 19	07 18		
1504 D	07	37	18	E 063.32	A	07 18	08 06	07 34	08 06	07 18	08 06	07 21	07 31
1504 N	08	30	48	W130.06	B	08 06	09 05	08 11	09 04	08 11	09 05		
1505 D	09	24	33	E 036.50	B	09 05	09 54			09 05	09 54	09 08	09 53
1505 N	10	18	02	W156.88	A	09 54	10 52	09 57	10 51	09 57	10 52		
1506 D	11	11	47	E 009.68	A	10 52	11 40			10 52	11 40	10 55	11 37
1506 N	12	05	16	E 176.31	B	11 42	12 39	11 42	12 38	11 42	12 39		
1507 D	12	59	01	W017.13	B	12 39	13 28			12 39	13 26	12 42	13 24
1507 N	13	52	31	E 149.48	A	13 28	14 27	13 29	14 26	13 28	14 27		
1508 D	14	46	15	W043.92	A	14 27	15 09			14 27	15 10	14 30	15 01
1508 N	15	39	45	E 122.71	B	15 15	16 14	15 16	16 13	15 15	16 14		
1509 D	16	33	29	W070.73	B	16 14	17 02			16 14	17 02	16 17	16 55
1509 N	17	26	59	E 095.88	A	17 02	18 01	17 03	18 00	17 02	18 01		
1510 D	18	20	43	W097.56	A/B	18 01	18 50			18 01	18 50	18 04	18 45
1510 N	19	14	13	E 069.07	B	18 50	19 48	18 50	19 47	18 50	19 48		
1511 D	20	07	57	W124.37	B/A	19 48	20 37			19 48	20 37	19 51	20 36
1511 N	21	01	27	E 042.26	A	20 37	21 36	20 38	21 35	20 37	21 36		
1512 D	21	55	11	W151.19	A	21 36	22 10			21 36	22 09	21 38	22 06
1512 D	21	55	11	W151.19	A	22 17	22 24			22 18	22 24		
1512 N	22	48	41	E 015.47	A	22 24	23 23	22 25	23 22	22 24	23 23		
1513 D	23	42	26	W177.97	A	23 23	00 11			23 23	00 11	23 26	00 11
1513 N	00	35	55	W011.34	B/A	00 11	00 20	00 12	01 09	00 11	01 10		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 30 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1514 D	01	29	40	E 155.21	B	01 32	01 58			01 10	01 59	01 13	01 58
1514 N	02	23	10	W038.16	B			01 59	02 18	01 59	02 17		
1515 D	03	16	54	E 128.40									
1515 N	04	10	24	W064.97									
1516 D	05	04	08	E 101.57									
1516 N	05	57	38	W091.80	B	05 42	06 32	05 47	06 31	05 47	06 32		
1517 D	06	51	22	E 074.80	B	06 32	07 20			06 32	07 20	06 34	07 19
1517 N	07	44	52	W118.57	A/B	07 20	08 19	07 21	08 18	07 20	08 19		
1518 D	08	38	36	E 047.99	A	08 19	09 08			08 19	09 08	08 22	09 07
1518 N	09	32	06	W145.40	B	09 08	10 06	09 10	10 05	09 10	10 06		
1519 D	10	25	50	E 021.16	B	10 06	10 55			10 06	10 54	10 09	10 54
1519 N	11	19	20	W172.21	A	10 55	11 53	10 56	11 52	10 56	11 53		
1520 D	12	13	05	W005.65	A	11 53	12 41			11 53	12 40	11 56	12 38
1520 N	13	06	34	E 160.97	B	12 42	13 41	12 43	13 40	12 42	13 41		
1521 D	14	00	19	W032.44	B	13 41	14 29			13 41	14 27	13 44	14 25
1521 N	14	53	48	E 134.19	A	14 29	15 28	14 30	15 27	14 29	15 28		
1522 D	15	47	33	W059.25	A/B	15 28	16 16			15 28	16 16	15 31	16 12
1522 N	16	41	03	E 107.37	B	16 16	17 15	16 17	17 15	16 16	17 15		
1523 D	17	34	47	W086.07	B	17 15	17 51			17 15	18 04	17 18 56	17 52 03
1523 N	18	28	17	E 080.56	A	18 02	19 02	18 04	19 01	18 04	19 02		
1524 D	19	22	01	W112.88	B	19 02	19 37			19 02	19 51	19 05	19 47
1524 N	20	15	31	E 053.73	B			19 52	20 49	19 51	20 50		
1525 D	21	09	15	W139.71	B/A	21 12	21 38			20 50	21 38	20 52	21 38
1525 N	22	02	45	E 026.92	A	21 38	22 37	21 39	22 36	21 38	22 37		
1526 D	22	56	29	W166.48	A	22 37	23 11			22 37	23 11	22 40	23 11
1526 D	22	56	29	W166.48	A	23 17	23 25						
1526 N	23	49	59	E 000.13	A	23 25	00 24	23 26	00 23				

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 31 JULY 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1527 D	00	43	43	E 166.69	A	00 24	01 13					00 27	01 12
1527 N	01	37	13	W026.68	B	01 13	02 11	01 17	02 10	01 17	02 11		
1528 D	02	30	58	E 139.85	B	02 11	03 00			02 11	03 00	02 14	02 59
1528 N	03	24	27	W053.52	B	03 00	03 19	03 01	03 19	03 00	03 19		
1529 D	04	18	12	E 113.04									
1529 N	05	11	42	W080.33	B	05 42	05 46	05 03	05 45				
1530 D	06	05	26	E 086.23	B	05 46	06 34					05 49	06 27
1530 N	06	58	56	W107.14	A/B	06 34	06 43	06 35	06 44	06 47	07 33		
1530 N	06	58	56	W107.14	A			06 48	07 32				
1531 D	07	52	40	E 059.43	A	08 12	08 24	07 50	08 22	07 33	08 21	07 36	07 50
1531 N	08	46	10	W133.95	B	08 47	09 20	08 25	09 19	08 25	09 20		
1532 D	09	39	54	E 032.62	B	09 20	10 08			09 20	10 08	09 23	10 08
1532 N	10	33	24	W160.76	A	10 48	11 07	10 13	11 05	10 09	11 07		
1533 D	11	27	08	E 005.81	A	11 07	11 56			11 07	11 55	11 10	11 52
1533 N	12	20	38	E 172.43	B	11 57	12 55	11 57	12 52	11 56	12 55		
1534 D	13	14	22	W021.00	B	12 55	13 41			12 55	13 41	12 58	13 39
1534 N	14	07	52	E 145.62	A			13 44	14 41	13 43	14 42		
1535 D	15	01	37	W047.81	A	14 48	15 30			14 42	15 27	14 45	15 26
1535 N	15	55	06	E 118.31	B	15 30	16 29	15 31	16 26	15 30	16 29		
1536 D	16	48	51	W074.62	B/A	16 29	17 18			16 29	17 18	16 32	17 10
1536 N	17	42	21	E 092.00	A	17 18	18 16	17 18	18 15	17 18	18 16		
1537 D	18	36	05	W101.43	A/B	18 16	19 05			18 16	19 05	18 19	18 54
1537 N	19	29	35	E 065.20	B	19 05	20 04	19 06	20 03	19 05	20 04		
1538 D	20	23	19	W128.24	B/A	20 04	20 39			20 04	20 52	20 06	20 52
1538 N	21	16	49	E 038.39	A			20 53	21 50	20 52	21 51		
1539 D	22	10	33	W155.05	A	22 02	22 25			21 51	22 25	21 54	22 25
1539 D	22	10	33	W155.05	A	22 31	22 39			22 31	22 39		
1539 N	23	04	03	E 011.58	A	22 39	23 38	22 40	23 37	22 39	23 38		
1540 D	23	57	47	E 178.14	A	23 38	00 27			23 38	00 27	23 41	00 26
1540 N	00	51	17	W015.23	B	00 27	00 33	00 30	01 24	00 30	01 25		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 1 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1541 D	01	45	01	E 151.33	B					01 25	02 14	01 28	02 13
1541 N	02	38	31	W042.04	B			02 15	02 32	02 14	02 32		
1542 D	03	32	15	E 124.52									
1542 N	04	25	45	W068.85	B			04 20	04 59	04 20	05 00		
1543 D	05	19	30	E 097.71	B	05 27	05 48			05 00	05 48	05 03	05 48
1543 N	06	13	00	W095.66	B	05 48	05 55	05 49	05 55	05 48	05 56		
1543 N	06	13	00	W095.66	B	06 22	06 47	06 02	06 45	06 02	06 47		
1544 D	07	06	44	E 070.90	B	06 47	07 36			06 47	07 36	06 50	07 35
1544 N	08	00	14	W122.47	A/B	07 36	08 34	07 36	08 33	07 36	08 34		
1545 D	08	53	58	E 044.10	A	08 34	09 23	08 51	09 22	08 34	09 22	08 37	08 51
1545 N	09	47	28	W149.28	A	09 23	10 21	09 29	10 21	09 29	10 21		
1546 D	10	41	12	E 017.28	A	10 21	11 10	10 38	11 09	10 21	11 09	10 24	10 35
1546 N	11	34	42	W176.09	B	11 10	12 09	11 11	12 08	11 12	12 09		
1547 D	12	28	26	W009.52	B	12 09	12 57	12 25	12 55	12 09	12 56	12 11	12 22
1547 N	13	21	56	E 157.10	A	12 57	13 56	12 58	13 55	13 05	13 56		
1548 D	14	15	40	W036.33	A	13 56	14 44			13 56	14 40	13 59	14 37
1548 N	15	09	10	E 130.29	B	14 44	15 43	14 45	15 42	14 44	15 43		
1549 D	16	02	54	W063.14	B/A	15 43	16 32			15 43	16 32	15 46	16 24
1549 N	16	56	24	E 103.48	A	16 32	17 30	16 32	17 29	16 32	17 30		
1550 D	17	50	09	W089.95	A/B	17 30	18 19			17 30	18 19	17 33	18 08
1550 N	18	43	38	E 076.67	B	18 19	19 18	18 20	19 17	18 19	19 18		
1551 D	19	37	23	W116.76	B/A	19 18	20 06			19 18	20 06	19 20	20 02
1551 N	20	30	53	E 049.86	A	20 06	21 05	20 07	21 04	20 06	21 05		
1552 D	21	24	37	W143.57	A	21 05	21 37			21 05	21 38	21 08	21 39
1552 D	21	24	37	W143.57	A	21 44	21 53			21 44	21 53		
1552 N	22	18	07	E 023.06	A	21 53	22 52	21 54	22 50	21 53	22 52		
1553 D	23	11	51	W170.38	A	22 52	23 41			22 52	23 41	22 55	23 40
1553 N	00	05	21	W003.76	B	23 41	00 39	23 43	00 37	23 43	00 39		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 2 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1554 D	00	59	05	E 162.81	B	00 39	01 28			00 39	01 28	00 42	01 27
1554 N	01	52	35	W030.56	B	01 28	01 44	01 28	01 44	01 28	01 44		
1555 D	02	46	19	E 136.00									
1555 N	03	39	49	W057.37									
1556 D	04	33	33	E 109.10									
1556 N	05	27	03	W084.18	B	05 18	06 01	05 19	06 00	05 19	06 01		
1557 D	06	20	47	E 082.38	B	06 01	06 50			06 01	06 50	06 04	06 45
1557 N	07	14	17	W110.99	A/B			06 50	07 46	06 50	07 48		
1558 D	08	08	02	E 055.57	A	07 58	08 37			07 48	08 37	07 51	08 32
1558 N	09	01	32	W137.80	B	08 38	09 35	08 39	09 35	08 38	09 35		
1559 D	09	55	16	E 028.76	B	09 35	10 25			09 35	10 24	09 38	09 49
1559 N	10	48	46	W164.61	A	10 58	11 23	10 26	11 22	10 26	11 23		
1560 D	11	42	30	E 001.96	A	11 23	12 10	11 39	12 10	11 23	12 10	11 25	11 35
1560 N	12	36	00	E 168.58	B	12 11	13 10	12 12	13 09	12 11	13 10		
1561 D	13	29	44	W024.85	B	13 10	13 56			13 10	13 55	13 13	13 54
1561 N	14	23	14	E 141.77	A			13 59	14 56	13 58	14 57		
1562 D	15	16	58	W051.66	A	15 14	15 46			14 57	15 41	15 00	15 38
1562 N	16	10	28	E 114.96	B	15 46	16 44	15 46	16 44	15 46	16 44		
1563 D	17	04	12	W078.47	B	16 44	17 33			16 44	17 33	16 47	17 32
1563 N	17	57	42	E 088.15	A	17 33	18 32	17 34	18 31	17 33	18 32		
1564 D	18	51	26	W105.28	B	18 32	19 20			18 32	19 20	18 34	19 16
1564 N	19	44	56	E 061.34	B	19 20	20 19	19 21	20 18	19 20	20 19		
1565 D	20	38	41	W132.09	B/A	20 19	21 07			20 19	21 07	20 22	21 03
1565 N	21	32	11	E 034.53	A	21 07	22 06	21 08	22 05	21 07	22 06		
1566 D	22	25	55	W158.90	A	22 06	22 40			22 06	22 40	22 09	22 37
1566 D	22	25	55	W158.90	A	22 45	22 55			22 46	22 55		
1566 N	23	19	25	E 007.72	A	22 55	23 53	22 55	23 52	22 55	23 53		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 3 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1567 D	00	13	09	E 174.29	A	23 53	00 42			23 53	00 42	23 56	00 36
1567 N	01	06	39	W019.09	B	00 42	01 40	00 45	01 40	00 45	01 40		
1568 D	02	00	23	E 147.48	B	01 40	02 29			01 40	02 29	01 43	02 25
1568 N	02	53	53	W045.89	B	02 29	02 46	02 30	02 46	02 29	02 46		
1569 D	03	47	37	E 120.67									
1569 N	04	41	07	W072.70	B	04 35	05 15	04 36	05 14	04 36	05 15		
1570 D	05	34	51	E 093.86	B	05 15	06 03			05 15	06 03	05 18	05 59
1570 N	06	28	21	W099.51	B	06 03	06 13	06 06 04 18	06 06 12 59	06 06 03 18	06 07 12 02		
1571 D	07	22	05	E 067.05	B	07 46	07 51			07 02	07 51	07 05	07 50
1571 N	08	15	35	W126.32	A	07 51	07 55	07 56	08 49	07 56	08 49		
1572 D	09	09	19	E 040.24	A	09 18	09 37	09 06	09 37	08 49	09 37	08 52	09 03
1572 N	10	02	49	W153.13	A			09 43	10 36	09 43	10 37		
1573 D	10	56	34	E 013.43	A	11 11	11 24	10 54	11 23	10 37	11 23	10 39	10 53
1573 N	11	50	04	W179.94	B	11 24	12 24	11 26	12 23	11 25	12 24		
1574 D	12	43	48	W013.38	B	12 24	13 11	12 41	13 11	12 24	13 11	12 27	12 41
1574 N	13	37	18	E 153.25	A	14 01	14 11	13 13	14 10	13 12	14 11		
1575 D	14	31	02	W040.18	A	14 11	15 00			14 11	14 54	14 14	14 52
1575 N	15	24	32	E 126.44	B	15 00	15 58	15 01	15 58	15 00	15 58		
1576 D	16	18	16	W066.99	B	15 58	16 38			15 58	16 36	16 01	16 36
1576 D	16	18	16	W066.99	A					16 39	16 47		
1576 N	17	11	46	E 099.63	A			16 48	17 45	16 47	17 46		
1577 D	18	05	30	W093.80	A/B	18 12	18 34			17 46	18 34	17 52	18 20
1577 N	18	59	00	E 072.82	B	18 34	19 33	18 35	19 32	18 34	19 33		
1578 D	19	52	44	W120.61	B/A	19 33	20 21			19 33	20 21	19 36	20 17
1578 N	20	46	14	E 046.01	A	20 21	21 20	20 22	21 18	20 21	21 20		
1579 D	21	39	58	W147.42	A	21 20	21 54			21 20	21 54	21 23	21 50
1579 D	21	39	58	W147.42	A	21 59	22 09			22 00	22 09		
1579 N	22	33	28	E 019.20	A	22 09	23 07	22 09	23 07	22 09	23 07		
1580 D	23	27	13	W174.23	A	23 07	23 56			23 07	23 56	23 10	23 55
1580 N	00	20	43	W007.61	B/A	23 56	00 54	23 58	00 52	23 56	00 54		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 4 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1581 D	01	14	27	E 158.96	B	00 54	01 43			00 54	01 43	00 57	01 39
1581 N	02	07	57	W034.42	B	01 43	02 00	01 44	02 00	01 43	02 00		
1582 D	03	01	41	E 132.15									
1582 N	03	55	11	W061.23									
1583 D	04	48	55	E 105.34									
1583 N	05	42	25	W088.03	B	05 32	06 16	05 32	06 15	05 32	06 16		
1584 D	06	36	09	E 078.53	B	06 16	07 05			06 16	07 05	06 19	07 04
1584 N	07	29	39	W114.84	B/A	07 05	08 03	07 06	08 03	07 05	08 03		
1585 D	08	23	23	E 051.72	A	08 03	08 52			08 03	08 52	08 06	08 51
1585 N	09	16	53	W141.65	B	08 52	09 51	08 54	09 50	09 18	09 51		
1586 D	10	10	37	E 024.91	B	09 51	10 39	10 08	10 40	09 51	10 40	09 53	10 07
1586 N	11	04	07	W168.46	B	10 39	11 38	10 41	11 37	10 41	11 38		
1587 D	11	57	51	W001.90	A	11 38	12 25	11 55	12 25	11 38	12 25	11 40	11 51
1587 N	12	51	22	E 164.73	B	12 26	13 25	12 27	13 24	12 26	13 25		
1588 D	13	45	06	W028.71	B	13 25	14 14			13 25	14 12	13 28	14 06
1588 N	14	38	36	E 137.92	A	14 14	15 12	14 15	15 12	14 14	15 00		
1589 D	15	32	20	W055.51	B	15 12	16 01			15 54	16 01	15 15	15 53
1589 N	16	25	50	E 111.11	B	16 01	17 00	16 02	16 59	16 01	17 00		
1590 D	17	19	34	W082.32	B	17 00	17 39			17 00	17 39	17 02	17 37
1590 N	18	13	04	E 084.30	A	17 47	18 47	17 49	18 46	17 48	18 47		
1591 D	19	06	48	W109.13	A/B	18 47	19 35			18 47	19 35	18 50	19 34
1591 N	20	00	18	E 057.49	B	19 35	20 34	19 36	20 33	19 35	20 34		
1592 D	20	54	02	W135.94	B/A	20 34	21 23			20 34	21 23	20 37	21 22
1592 N	21	47	32	E 030.68	A	21 23	22 21	21 23	22 20	21 23	22 21		
1593 D	22	41	16	W162.75	A	22 21	22 56			22 21	22 56	22 24	22 55
1593 D	22	41	16	W162.75	A	23 02	23 10			23 03	23 10		
1593 N	23	34	46	E 003.87	A	23 10	00 08			23 10	00 08		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 5 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1594 D	00	28	30	E 170.44	A	00 08	00 57			00 08	00 57	00 08	00 50
1594 N	01	22	01	W022.94	B	00 57	01 56			01 04	01 47		
1595 D	02	15	44	E 143.63		01 56	02 44						
1595 N	03	09	15	W049.75		02 44	03 06						
1596 D	04	02	59	E 116.82									
1596 N	04	56	29	W076.55	B	04 49	05 30	04 49	05 29	04 49	05 30		
1597 D	05	50	13	E 090.01	B	05 30	06 19			05 30	06 19	05 30	06 12
1597 N	06	43	43	W103.37	A	06 19	06 27	06 29	07 17	06 19	07 17		
1598 D	07	37	27	E 063.20	A	08 02	08 06			07 17	08 06	07 20	08 02
1598 N	08	30	57	W130.17	B	08 06	09 05	08 09	09 04	08 09	09 05		
1599 D	09	24	41	E 036.39	B	09 05	09 53	09 22	09 53	09 05	09 53	09 07	09 18
1599 N	10	18	11	W156.98	A	09 53	10 52	09 54	10 51	09 54	10 52		
1600 D	11	11	55	E 009.58	A	10 52	11 39	11 09	11 39	10 52	11 39	10 55	11 09
1600 N	12	05	25	E 176.21	B			11 41	12 37	11 40	12 39		
1601 D	12	59	09	W017.23	B	12 41	13 28	12 56	13 26	12 39	13 26	12 42	12 56
1601 N	13	52	39	E 149.40	A	13 28	14 26	13 29	14 24	13 28	14 26		
1602 D	14	46	23	W044.03	A	14 26	15 10			14 26	15 10	14 29	15 07
1602 N	15	39	54	E 122.59	B			15 16	16 13	15 15	16 14		
1603 D	16	33	38	W070.85	B/A					16 14	17 02	16 16	16 51
1603 N	17	27	08	E 095.78	A			17 03	18 00	17 02	18 01		
1604 D	18	20	52	W097.66	A/B	18 33	18 49			18 01	18 49	18 04 18 42	18 38 18 49
1604 N	19	14	22	E 068.97	B	18 49	19 48	18 50	19 47	18 49	19 48		
1605 D	20	08	06	W124.46	B/A	19 48	20 37			19 48	20 37	19 51	20 36
1605 N	20	01	36	E 042.16	A	20 37	21 35	20 38	21 35	20 37	21 35		
1606 D	21	55	20	W151.27	A	21 35	22 10			21 35	22 09	21 38	22 09
1606 D	21	55	20	W151.27	A	22 16	22 24			22 16	22 24		
1606 N	22	48	50	E 015.35	A	22 24	23 22	22 25	23 22	22 24	23 22		
1607 D	23	42	34	W178.08	A	23 22	00 11			23 22	00 11	23 25	00 07
1607 N	00	36	04	W011.46	B/A	00 11	01 10	00 12	01 09	00 11	01 10		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 6 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1608 D	01	29	48	E 155.11	B	01 10	01 58			01 10	01 58	01 12	01 54
1608 N	02	23	18	W038.27	B	01 58	02 18	01 59	02 17	01 58	02 17		
1609 D	03	17	02	E 128.30									
1609 N	04	10	33	W065.08									
1610 D	05	04	16	E 101.49									
1610 N	05	57	47	W091.39	B	05 46	06 31	05 47	06 31	05 47	06 31		
1611 D	06	51	31	E 074.68	B	06 31	07 20			06 31	07 20	06 34	07 19
1611 N	07	45	01	W118.70	A/B	07 20	08 19	07 21	08 18	07 20	08 19		
1612 D	08	38	45	E 047.87	A	08 19	09 07	08 36	09 07	08 19	09 06	08 21	08 32
1612 N	09	32	15	W145.50	B	09 07	10 06	09 09	10 05	09 09	10 06		
1613 D	10	25	59	E 021.06	B	10 06	10 54	10 23	10 54	10 06	10 54	10 08	10 19
1613 N	11	19	29	W172.31	A	10 55	11 53	10 55	11 52	10 55	11 53		
1614 D	12	13	13	W005.75	A	11 53	12 42	12 00	12 40	11 53	12 40		
1614 N	13	06	43	E 160.88	B	12 42	13 40	12 43	13 40	12 42	13 40		
1615 D	14	00	27	W032.56	B	13 40	14 29			13 40	14 27	13 43	14 25
1615 N	14	53	57	E 134.07	A	14 29	15 28	14 30	15 27	14 29	15 28		
1616 D	15	47	41	W059.37	A/B	15 28	16 16			15 28	16 16	15 30	16 08
1616 N	16	41	12	E 107.26	B	16 16	17 15	16 17	17 14	16 16	17 15		
1617 D	17	34	55	W086.18	B/A	17 15	18 03			17 15	18 03	17 17 56	17 18 03
1617 N	18	28	26	E 080.45	A	18 03	19 02	18 04	19 01	18 03	19 02		
1618 D	19	22	10	W112.98	A/B	19 02	19 51			19 02	19 51	19 05	19 46
1618 N	20	15	40	E 053.64	B	19 51	20 49	19 52	20 49	19 51	20 49		
1619 D	21	09	24	W139.79	B/A	20 49	21 29			20 49	21 38	20 52	21 27
1619 N	22	02	54	E 026.83	A			21 39	22 36	21 38	22 36		
1620 D	22	56	38	W166.60	A	23 04	23 11			22 36	23 11	22 39	23 10
1620 D	22	56	38	W166.60	A	23 17	23 25			23 17	23 25		
1620 N	23	50	08	E 000.02	A	23 25	00 24	23 26	00 23	23 25	00 24		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 7 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1621 D	00	43	52	E 166.59	A	00 24	01 12			00 24	01 12	00 27	01 12
1621 N	01	37	22	W026.79	B/A	01 12	01 20	01 13	02 09	01 12	02 11		
1622 D	02	31	06	E 139.78	B					02 11	02 59	02 14	02 55
1622 N	03	24	36	W053.60	B	03 16	03 22	03 01	03 22	02 59	03 22		
1623 D	04	18	20	E 112.97									
1623 N	05	11	51	W080.41	B	05 02	05 45	05 03	05 45	05 03	05 45		
1624 D	06	05	34	E 086.16	B	05 45	06 34			05 45	06 34	05 48	06 26
1624 N	06	59	05	W107.22	A/B	06 34	07 33	06 35 06 47	06 44 07 34	06 34	07 33		
1625 D	07	52	48	E 059.35	A	07 33	08 21			07 33	08 21	07 35	08 20
1625 N	08	46	19	W134.03	B	08 21	09 20	08 27	09 22	08 26	09 20		
1626 D	09	40	03	E 032.54	B	09 20	10 08	09 37	10 08	09 20	10 08	09 22	09 33
1626 N	10	33	33	W160.80	A	10 08	11 07	10 11	11 05	10 11	11 07		
1627 D	11	27	17	E 005.73	A	11 07	11 56	11 24	11 56	11 07	11 55	11 10	11 24
1627 N	12	20	47	E 172.36	B	11 57	12 54	11 57	12 54	11 58	12 54		
1628 D	13	14	31	W021.08	B	12 54	13 43			12 54	13 40	12 57	13 39
1628 N	14	08	01	E 145.54	A	13 43	14 41	13 44	14 41	13 43	14 41		
1629 D	15	01	45	W047.89	B	14 41	15 24			14 41	15 24	14 44	15 22
1629 N	15	55	15	E 118.74	B			15 31	16 28	15 30	16 29		
1630 D	16	48	59	W074.70	B/A	16 59	17 17			16 29	17 17	16 32	17 06
1630 N	17	42	29	E 091.93	A	17 17	18 16	17 18	18 15	17 17	18 16		
1631 D	18	36	13	W101.51	A/B	18 16	19 05			18 16	19 05	18 19	18 50
1631 N	19	29	44	E 065.12	B	19 05	20 03	19 05	20 03	19 05	20 03		
1632 D	20	23	27	W128.32	B/A	20 03	20 52			20 03	20 52	20 09	20 48
1632 N	21	16	58	E 038.31	A	20 52	21 50	20 53	21 50	20 52	21 50		
1633 D	22	10	41	W155.21	A	21 50	22 26			21 50	22 25	21 53	22 24
1633 D	22	10	41	W155.21	A	22 31	22 39			22 32	22 39		
1633 N	23	04	12	E 011.50	A	22 39	23 38	22 40	23 35	22 39	23 38		
1634 D	23	57	56	E 178.07	A	23 38	00 26			23 38	00 26	23 40	00 22
1634 N	00	51	26	W015.31	B/A	00 26	01 25	00 27	01 24	00 26	01 25		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 8 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1635 D	01	45	10	E 151.26	B	01 25	02 13			01 25	02 13	01 28	02 09
1635 N	02	38	40	W042.12	B	02 13	02 27	02 14	02 33	02 13	02 32		
1636 D	03	32	24	E 124.45									
1636 N	04	25	54	W068.93	B	04 19	04 59	04 19	04 59	04 19	04 59		
1637 D	05	91	38	E 097.64	B	04 59	05 48			04 59	05 48	05 02	05 47
1637 N	06	13	08	W095.74	B	05 48	05 54	06 01	06 39	05 48	05 54		
1637 N	06	13	08	W095.74	B	06 01	06 47			06 01	06 47		
1638 D	07	06	52	E 070.83	B	06 47	07 35			06 47	07 35	06 50	07 34
1638 N	08	00	23	W122.55	A/B	07 35	08 34	07 36	08 33	07 35	07 47		
1639 D	08	54	06	E 044.02	A	08 34	09 22	08 51	09 22			08 36	08 50
1639 N	09	47	37	W149.36	A	09 22	10 21	09 28	10 20	09 28	10 21		
1640 D	10	41	20	E 017.21	A	10 21	11 09	10 38	11 09	10 21	11 09	10 24	10 34
1640 N	11	34	51	W176.17	B	11 10	12 08	11 10	12 07	11 10	12 08		
1641 D	12	28	35	W009.60	B	12 08	12 57	12 26	12 54	12 08	12 54	12 11	12 25
1641 N	13	22	05	E 157.02	A	12 57	13 55	12 58	13 55	12 57	13 55		
1642 D	14	15	49	W036.41	A	13 55	14 44			13 55	14 39	13 58	14 36
1642 N	15	09	19	E 130.21	B	14 44	15 43	14 45	15 42	14 44	15 43		
1643 D	16	03	03	W063.22	B/A	15 43	16 31			15 43	16 31	15 46	16 24
1643 N	16	56	33	E 103.41	A	16 31	17 30	16 32	17 29	16 31	17 30		
1644 D	17	50	17	W090.03	A/B	17 30	18 18			17 30	18 18	17 33	18 18
1644 N	18	43	47	E 076.60	B	18 18	19 17	18 20	19 17	18 18	19 17		
1645 D	19	37	31	W116.84	B/A	19 17	20 06			19 17	20 06	19 20	20 05
1645 N	20	31	02	E 049.79	A	20 06	21 04	22 07	21 04	20 06	21 04		
1646 D	21	24	45	W143.65	A/B	21 04	21 53			21 04	21 53	21 07	21 49
1646 N	22	18	16	E 022.98	B	21 53	22 52	21 54	22 51	21 53	22 52		
1647 D	23	11	59	W170.45	B/A	22 52	23 40			22 52	23 40	22 54	23 26
1647 N	00	05	30	W003.83	A	23 40	00 39	23 41	00 38	23 40	00 39		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 9 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1648 D	00	59	13	E 162.73	A	00 39	01 27			00 39	01 27	00 42	01 23
1648 N	01	52	44	W030.64	B	01 27	02 26	01 32	02 25	01 32	02 26		
1649 D	02	46	28	E 135.93	B	02 26	03 15			02 26	03 15	02 29	03 14
1649 N	03	39	58	W057.45	B	03 15	03 33	03 16	03 33	03 15	03 33		
1650 D	04	33	42	E 109.12									
1650 N	05	27	12	W084.26	B	05 17	06 01	05 17	06 00	05 17	06 01		
1651 D	06	20	56	E 082.31	B	06 01	06 49			06 01	06 49	06 03	06 48
1651 N	07	14	26	W111.07	A/B	06 49	07 48	06 50	07 47	06 49	07 48		
1652 D	08	08	10	E 055.50	A	07 48	08 37			07 48	08 36	07 50	08 36
1652 N	09	01	41	W137.38	A	08 42	09 35	08 43	09 35	08 43	09 35		
1653 D	09	55	24	E 028.69	A	09 35	10 23			09 35	10 23	09 38	10 23
1653 N	10	48	55	W164.69	A	10 29	11 22	10 29	11 22	10 29	11 22		
1654 D	11	42	38	E 001.88	A	11 22	12 12	11 40	12 11	11 22	12 11	11 25	11 35
1654 N	12	36	09	E 168.50	B			12 13	13 09	12 13	13 09		
1655 D	13	29	52	W024.93	B	13 32	13 58			13 09	13 54	13 12	13 54
1655 N	14	23	23	E 141.69	A	13 58	14 57	13 59	14 56	13 58	14 57		
1656 D	15	17	06	W051.74	A	14 57	15 45			14 57	15 39	14 59	15 37
1656 N	16	10	37	E 114.88	B	15 45	16 44	15 46	16 43	15 45	16 44		
1657 D	17	04	21	W078.55	B/A	16 44	17 32			16 44	17 32	16 47	17 32
1657 N	17	57	51	E 088.07	A	17 32	18 31	17 33	18 31	17 32	18 31		
1658 D	18	51	35	W105.36	A/B	18 31	19 09			18 31	19 20	18 34	19 19
1658 N	19	45	05	E 061.27	B	19 42	20 18	19 21	20 18	19 20	20 18		
1659 D	20	38	49	W132.17	B/A	20 18	21 07			20 18	21 07	20 21	20 52
1659 N	21	32	19	E 034.45	A	21 07	22 06	21 08	22 05	21 07	22 06		
1660 D	22	26	03	W158.98	A	22 06	22 41			22 06	22 40	22 08	22 39
1660 D	22	26	03	W158.98	A	22 47	22 54			22 47	22 54		
1660 N	23	19	34	E 007.65	A	22 54	23 53	22 55	23 52	22 54	23 53		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 10 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND. NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1661 D	00	13	17	E 174.22	A	23 53	00 41			23 53	00 41	23 55	00 41
1661 N	01	06	48	W019.16	B	00 41	01 40	00 46	01 39	00 41	01 40		
1662 D	02	00	31	E 147.40	B	01 40	02 29			01 40	02 29	01 43	02 28
1662 N	02	54	02	W045.97	B	02 29	02 48	02 30	02 45	02 29	02 46		
1663 D	03	47	45	E 120.60									
1663 N	04	41	16	W072.78	B	04 35	05 15	04 35	05 14	04 35	05 15		
1664 D	05	34	59	E 093.79	B	05 15	06 03			05 15	06 03	05 17	05 59
1664 N	06	28	30	W099.59	B	06 03	06 12	06 04	06 12	06 03	06 12		
1664 N	06	28	30	W099.59	B	06 17	07 02	06 17	07 01	06 18	07 02		
1665 D	07	22	14	E 066.98	B	07 02	07 50			07 02	07 50	07 04	07 49
1665 N	08	15	44	W126.40	A	07 50	08 49	07 54	08 48	07 54	08 49		
1666 D	09	09	28	E 040.17	A	08 49	09 38	09 06	09 38	08 49	09 38	08 51	09 02
1666 N	10	02	58	W153.21	B	09 39	10 36	09 39	10 36	09 39	10 36		
1667 D	10	56	42	E 013.36	B	10 36	11 25	10 54	11 23	10 36	11 23	10 39	10 53
1667 N	11	50	13	E 179.98	A	11 25	12 23	11 26	12 23	11 25	12 23		
1668 D	12	43	56	W013.45	A	12 23	13 12	12 41	13 12	12 23	13 12	12 26	12 37
1668 N	13	37	27	E 153.17	B	13 13	14 11	13 13	14 10	13 13	14 11		
1669 D	14	31	10	W040.26	B	14 11	14 59			14 11	14 54	14 13	14 51
1669 N	15	24	41	E 126.36	A	14 59	15 58	15 00	15 57	14 59	15 58		
1670 D	16	18	24	W067.07	A/B	15 58	16 46			15 58	16 46	16 01	16 39
1670 N	17	11	55	E 099.55	B	16 46	17 45	16 47	17 44	16 46	17 45		
1671 D	18	05	38	W093.88	B/A	17 18 18 23	18 18 19 34			17 45	18 34	17 48	18 22
1671 N	18	59	09	E 072.74	A	18 34	19 32	18 35	19 32	18 34	19 32		
1672 D	19	52	53	W120.69	A/B	19 32	20 09			19 32	20 21	19 20 20 13	20 06 20 20
1672 N	20	46	23	E 045.93	B			20 21	21 19	20 21	21 20		
1673 D	21	40	07	W147.50	B	21 22 22 00	21 22 22 08			21 20	21 54	21 22	21 53
1673 N	22	33	37	E 019.12	A	22 08	23 07	22 08	23 03	22 10	23 07		
1674 D	23	27	21	W174.31	A	23 07	23 55			23 07	23 55	23 09	23 55
1674 N	00	20	52	W007.68	B/A	23 55	00 54	23 55	00 53	23 55	00 54		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 11 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1675 D	01	14	35	E 158.89	B	00 54	01 43			00 54	01 43	00 57	01 42
1675 N	02	08	06	W034.50	B	01 43	02 02	01 43	02 02	01 43	02 02		
1676 D	03	01	49	E 132.07									
1676 N	03	55	20	W061.30									
1677 D	04	49	03	E 105.27									
1677 N	05	42	34	W088.11	B	05 32	06 16	05 32	06 15	05 32	06 16		
1678 D	06	36	17	E 078.47	B	06 16	07 04			06 16	07 04	06 18	07 03
1678 N	07	29	48	W114.92	B	07 04	08 03	07 04	07 11	07 04	07 12		
1678 N	07	29	48	W114.92	A			07 14	08 02	07 18	08 03		
1679 D	08	23	31	E 051.65	A	08 03	08 52	08 21	08 51	08 03	08 52	08 05	08 19
1679 N	09	17	02	W141.73	B	08 52	09 50	08 54	09 49	08 54	09 50		
1680 D	10	10	46	E 024.84	B	09 50	10 39	10 08	10 38	09 50	10 38	09 53	10 07
1680 N	11	04	16	W168.54	A	10 39	11 37	10 39	11 35	10 40	11 37		
1681 D	11	58	00	W001.97	A	11 37	12 26	11 55	12 26	11 37	12 26	11 40	11 51
1681 N	12	51	30	E 164.65	B	12 26	13 25	12 28	13 24	12 28	13 25		
1682 D	13	45	14	W028.78	B	13 25	14 13			13 25	14 09	13 27	14 06
1682 N	14	38	45	E 137.84	A	14 13	15 12	14 13	15 11	14 10	15 00		
1683 D	15	32	38	W055.59	A	15 12	16 00					15 15	15 49
1683 N	16	25	59	E 111.03	B	16 00	16 59	16 01	16 58	16 00	16 59		
1684 D	17	19	42	W082.40	B/A	16 59	17 48			16 59	17 48	17 02	17 47
1684 N	18	13	13	E 084.22	A	17 48	18 46	17 48	18 45	17 48	18 46		
1685 D	19	06	56	W109.21	A/B	18 46	19 35			18 46	19 35	18 49	19 20
1685 N	20	00	27	E 057.41	B	19 35	20 34	19 35	20 33	19 35	20 34		
1686 D	20	54	10	W136.02	B/A	20 34	21 22			20 34	21 22	20 36	21 21
1686 N	21	47	41	E 030.60	A	21 22	22 21	21 22	21 45	21 22	22 21		
1686 N	21	47	41	E 030.60	A			21 49	22 20				
1687 D	22	41	24	W162.83	A	22 21	22 56			22 21	22 55	22 24	22 55
1687 D	22	41	24	W162.83	A	23 01	23 09			23 01	23 09		
1687 N	23	34	55	E 003.79	A	23 09	00 08	23 09	00 07	23 09	00 08		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 12 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1688 D	00	28	39	E 170.36	A	00 08	00 57			00 08	00 57	00 11	00 52
1688 N	01	22	09	W023.02	B/A	00 57	01 55	00 57	01 54	00 57	01 55		
1689 D	02	15	53	E 143.55	B	01 55	02 44			01 55	02 44	01 58	02 40
1689 N	03	09	24	W049.82	B	02 44	03 05	02 44	03 05	02 44	03 05		
1690 D	04	03	07	E 116.74									
1690 N	04	56	38	W076.63	B	04 48	05 30	04 49	05 29	04 49	05 30		
1691 D	05	50	21	E 089.94	B	05 30	06 18			05 30	06 18	05 33	06 14
1691 N	06	43	52	W103.44	B	06 18	06 26	06 18	06 27	06 18	06 27		
1691 N	06	43	52	W103.44	B	06 32	07 17	06 33	07 16	06 33	07 17		
1692 D	07	37	35	E 063.13	B	07 17	08 05			07 17	08 05	07 20	08 01
1692 N	08	31	06	W130.25	A	08 05	09 04	08 11	09 04	08 11	09 04		
1693 D	09	24	49	E 036.32	A	09 04	09 53	09 22	09 53	09 04	09 53	09 07	09 21
1693 N	10	18	20	W157.06	B	09 53	10 51	09 55	10 50	09 55	10 51		
1694 D	11	12	03	E 009.51	B	10 51	11 40	11 09	11 40	10 51	11 40	10 54	11 05
1694 N	12	05	34	E 176.13	A	11 40	12 39	11 43	12 38	11 44	12 39		
1695 D	12	59	18	W017.30	A	12 39	13 26	12 56	13 26	12 39	13 26	12 41	12 55
1695 N	13	52	48	E 149.32	B	13 27	14 26	13 27	14 25	13 27	14 26		
1696 D	14	46	32	W044.11	B	14 26	15 14			14 26	15 09	14 29	15 07
1696 N	15	40	03	E 122.51	A	15 14	16 13	15 14	16 12	15 14	16 13		
1697 D	16	33	46	W070.92	A/B	16 13	17 02			16 13	17 02	16 16	16 50
1697 N	17	27	17	E 095.70	B	17 02	18 00	17 02	17 59	17 02	18 00		
1698 D	18	21	00	W097.73	B/A	18 00	18 49			18 00	18 49	18 03	18 48
1698 N	19	14	31	E 068.89	A	18 49	19 48	18 49	19 47	18 49	19 48		
1699 D	20	08	14	W124.54	A	19 48	20 36			19 48	20 23	19 50	20 35
1699 N	21	01	45	E 042.08	B	20 36	21 35	20 36	21 32				
1700 D	21	55	28	W151.35	A	21 22 35 14	22 08 23			22 15	22 23	21 38	22 09
1700 N	22	48	59	E 015.27	A	22 23	23 22	22 23	23 21	22 23	23 22		
1701 D	23	42	42	W178.16	A	23 22	00 11			23 22	00 11	23 25	00 10
1701 N	00	36	13	W011.54	B/A	00 11	01 09	00 11	01 08	00 11	01 09		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 13 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HORSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1702 D	01	29	56	E 155.03	B	01 09	01 58			01 09	01 58	01 12	01 54
1702 N	02	23	27	W038.35	B	01 58	02 15	01 58	02 15	01 58	02 15		
1703 D	03	17	11	E 128.22									
1703 N	04	10	42	W065.16									
1704 D	05	04	25	E 101.41									
1704 N	05	57	56	W091.97	B	05 48	06 31	05 49	06 30	05 49	06 31		
1705 D	06	51	39	E 074.61	B	06 31	07 19			06 31	07 19	06 34	07 19
1705 N	07	45	10	W118.77	A/B	07 19	08 18	07 20	08 17	07 19	07 27		
1706 D	08	38	53	E 047.80	A	08 18	09 07	08 36	09 07	08 18	09 07	08 21	08 35
1706 N	09	32	24	W145.58	B	09 07	10 05	09 11	10 05	09 11	10 05		
1707 D	10	26	07	E 020.99	B	10 05	10 54	10 23	10 54	10 05	10 54	10 08	10 22
1707 N	11	19	38	W172.39	A	10 54	11 53	10 58	11 52	10 58	11 53		
1708 D	12	13	21	W005.82	A	11 53	12 40	12 10	12 40	11 53	12 40		
1708 N	13	06	52	E 160.80	B	12 41	13 40	12 41	13 39	12 41	13 40		
1709 D	14	00	35	W032.63	B	13 40	14 28			13 40	14 25	13 43	14 24
1709 N	14	54	06	E 133.99	A	14 28	15 27	14 29	15 26	14 28	15 27		
1710 D	15	47	49	W059.44	A	15 27	16 16			15 27	16 10	15 30	16 08
1710 N	16	41	20	E 107.18	B	16 16	17 14	16 16	17 12	16 16	17 14		
1711 D	17	35	04	W083.25	B/A	17 14	17 53			17 14	18 03	17 17	17 48
1711 N	18	28	35	E 080.37	A	18 12	19 02	18 03	19 01	18 03	19 02		
1712 D	19	22	18	W113.06	A/B	19 02	19 50			19 02	19 50	19 04	19 46
1712 N	20	15	49	E 053.56	B	19 50	20 49	19 50	20 48	19 50	20 49		
1713 D	21	09	32	W139.87	B/A	20 49	21 37			20 49	21 37	20 52	21 37
1713 N	22	03	03	E 026.75	A	21 37	22 36	21 37	22 35	21 37	22 36		
1714 D	22	56	46	W166.68	A	22 36	23 10			22 36	23 10	22 39	23 10
1714 D	22	56	46	W166.68	A	23 16	23 25			23 16	23 25		
1714 N	23	50	17	W000.06	A	23 25	00 23	23 25	00 23	23 25	00 23		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 14 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1715 D	00	44	00	E 166.51	A	00 23	01 12			00 23	01 12	00 26	01 11
1715 N	01	37	31	W026.87	B/A	01 12	02 10	01 12	02 10	01 12	02 10		
1716 D	02	31	14	E 139.70	B	02 10	02 59			02 10	02 59	02 13	02 55
1716 N	03	24	45	W053.68	B	02 59	03 17	02 59	03 16	02 59	03 17		
1717 D	04	18	28	E 112.89									
1717 N	05	11	59	W080.49	B	05 02	05 45	05 03	05 44	05 03	05 45		
1718 D	06	05	42	E 086.08	B	05 45	06 33			05 45	06 33	05 48	06 29
1718 N	06	59	14	W107.29	B/A	06 33	07 32	06 34	07 31	06 33	07 05		
1719 D	07	52	57	E 059.27	A	07 32	08 21					07 42	08 17
1719 N	08	46	28	W134.11	A/B	08 21	09 19	08 21	09 19	09 04	09 19		
1720 D	09	40	11	E 032.47	B	09 19	10 08	09 37	10 03	09 19	10 09	09 22	09 33
1720 N	10	33	42	W160.91	B	10 12	11 07	10 13	11 06	10 12	11 07		
1721 D	11	27	25	E 005.66	B	11 07	11 49	11 24	11 55	11 07	11 55	11 09	11 20
1721 N	12	20	56	E 172.28	A	11 57	12 54	11 57	12 53	11 57	12 54		
1722 D	13	14	39	W021.15	A	12 54	13 40	13 12	13 40	12 54	13 41	12 57	13 10
1722 N	14	08	10	E 145.47	B	13 42	14 41	13 43	14 40	13 52	14 41		
1723 D	15	01	53	W047.96	B	14 41	15 30			14 41	15 26	14 44	15 25
1723 N	15	55	24	E 118.66	A	15 30	16 28	15 30	16 28	15 30	16 28		
1724 D	16	49	07	W074.77	A/B	16 28	17 17			16 28	17 17	16 31	17 06
1724 N	17	42	38	E 091.85	B	17 17	18 16	17 17	18 15	17 17	18 16		
1725 D	18	36	21	W101.58	B/A	18 16	19 04			18 16	19 04	18 18	19 04
1725 N	19	29	53	E 065.04	A	19 04	20 03	19 04	20 02	19 04	20 03		
1726 D	20	23	35	W128.39	A/B	20 03	20 51			20 03	20 51	20 06	20 51
1726 N	21	17	07	E 038.23	B	20 51	21 50	21 52	21 49	20 51	21 50		
1727 D	22	10	50	W155.20	B	21 50	22 24			21 50	22 24	21 53	22 21
1727 D	22	10	50	W155.20	A	22 30	22 38			22 30	22 38		
1727 N	23	04	21	E 011.42	A	22 38	23 37	23 39	23 37	22 38	23 37		
1728 D	23	58	04	E 177.99	A	23 37	00 26			23 37	00 26	23 40	00 25
1728 N	00	51	35	W015.39	B/A	00 26	01 24	00 33	01 24	00 26	01 24		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 15 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1729 D	01	45	18	E 151.19	B	01 24	02 13			01 24	02 13	01 27	02 12
1729 N	02	38	49	W042.19	B	02 13	02 35	02 13	02 32	02 13	02 32		
1730 D	03	32	32	E 124.38									
1730 N	04	26	03	W069.00	B	04 20	04 59	04 20	04 58	04 20	04 59		
1731 D	05	19	46	E 097.57	B	04 59	05 47			04 59	05 47	05 02	05 47
1731 N	06	13	17	W095.81	B	05 47	06 22	05 48	06 22	05 47	06 22		
1732 D	07	07	00	E 070.76									
1732 N	08	00	31	W122.62									
1733 D	08	54	14	E 043.95									
1733 N	09	47	46	W149.42	B	09 29	10 21	09 29	10 20	09 29	10 21		
1734 D	10	41	29	E 017.15	B	10 21	11 09	10 38	11 09	10 21	11 10	10 23	10 34
1734 N	11	35	00	W176.23	A	11 09	12 08	11 11	12 07	11 11	12 08		
1735 D	12	28	43	W009.66	A	12 08	12 55	12 26	12 55	12 08	12 55	12 11	12 24
1735 N	13	22	14	E 156.96	B			12 57	13 54	12 57	13 55		
1736 D	14	15	57	W036.47	B	14 19	14 44			13 55	14 41	13 58	14 43
1736 N	15	09	28	E 130.15	A	14 44	15 42	14 44	15 42	14 44	15 42		
1737 D	16	03	11	W063.28	A	15 42	16 31			15 42	16 25	15 45	16 23
1737 N	16	56	42	E 103.34	B	16 31	17 29	16 31	17 29	16 31	17 29		
1738 D	17	50	25	W090.09	B/A	17 29	18 18			17 29	18 18	17 32	18 07
1738 N	18	43	56	E 076.53	A	18 18	19 17	18 18	19 16	18 18	19 17		
1739 D	19	37	39	W116.90	A/B	19 17	20 05			19 17	20 05	19 20	20 05
1739 N	20	31	10	E 049.72	B	20 05	21 04	20 06	21 03	20 05	21 04		
1740 D	21	24	53	W143.71	B/A	21 04	21 52			21 04	21 52	21 07	21 42
1740 N	22	18	25	E 022.91	A	21 52	22 51	21 53	22 51	21 52	22 51		
1741 D	23	12	07	W170.52	A	22 51	23 28			22 51	23 28	22 54	23 22
1741 D	23	12	07	W170.52	A	23 33	23 40			23 33	23 40		
1741 N	00	05	39	W003.90	A	23 40	00 38	23 40	00 38	23 40	00 38		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 16 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1742 D	00	59	22	E 162.67	A	00 38	01 27			00 38	01 27		
1742 N	01	52	53	W030.71	B/A	01 27	02 26	01 27	02 25	01 27	02 26		
1743 D	02	46	36	E 135.86	B	02 26	03 14			02 26	03 14		
1743 N	03	40	07	W059.52	B	03 14	03 37	03 15	03 37	03 14	03 37		
1744 D	04	33	50	E 109.05									
1744 N	05	27	21	W084.33	B	05 17	06 00	05 18	06 00	05 18	06 00		
1745 D	06	21	04	E 082.24	B	06 00	06 49			06 00	06 49		
1745 N	07	14	35	W111.14	A/B	06 49	07 47	06 49	07 46	06 49	07 47		
1746 D	08	08	18	E 055.44	A	07 47	08 36			07 47	08 36	07 50	08 35
1746 N	09	01	49	W137.95	B	08 36	09 35	08 41	09 03	09 07	09 35		
1746 N	09	01	49	W137.95	B			09 07	09 32				
1747 D	09	55	32	E 028.62	B	09 35	10 23			09 35	10 23	09 37	10 19
1747 N	10	49	04	W164.76	A	10 23	11 22	10 25	11 21	10 25	11 22		
1748 D	11	42	46	E 001.82	A	11 22	12 10			11 22	12 10	11 24	12 09
1748 N	12	36	18	E 168.43	B	12 12	13 09	12 12	13 09	12 12	13 09		
1749 D	13	30	00	W024.99	B	13 09	13 58			13 09	13 54	13 12	13 53
1749 N	14	23	32	E 141.63	A	13 58	14 56	13 58	14 56	13 58	14 56		
1750 D	15	17	15	W051.80	A/B	14 56	15 45			14 56	15 45	14 59	15 37
1750 N	16	10	46	E 114.82	B	15 45	16 43	15 45	16 43	15 45	16 44		
1751 D	17	04	29	W078.61	B/A	16 43	17 32			16 44	17 32	16 46	17 21
1751 N	17	58	00	E 088.01	A	17 32	18 31	17 32	18 30	17 32	18 31		
1752 D	18	51	43	W105.42	A/B	18 31	19 19			18 31	19 19	18 33	19 08
1752 N	19	45	14	E 061.20	B	19 19	20 18	19 20	20 18	19 19	20 18		
1753 D	20	38	57	W132.23	B/A	20 18	21 06			20 18	21 06	20 21	21 06
1753 N	21	32	28	E 034.39	A	21 06	22 05	21 07	22 05	21 06	22 05		
1754 D	22	26	11	W159.04	A	22 05	22 40			22 05	22 41	22 08	22 39
1754 D	22	26	11	W159.04	A	22 42	22 54			22 46	22 54		
1754 N	23	19	42	E 007.58	A	22 54	23 52	22 54	23 52	22 54	23 52		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 17 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1755 D	00	13	25	E 174.15	A	23 52	00 41			23 52	00 41	23 55	00 40
1755 N	01	06	57	W019.23	B/A	00 41	01 40	00 41	01 39	00 41	01 40		
1756 D	02	00	39	E 147.34	B	01 40	02 28			01 40	02 28	01 42	02 27
1756 N	02	54	11	W046.04	B	02 28	02 46	02 29	02 46	02 28	02 46		
1757 D	03	47	53	E 120.53									
1757 N	04	41	25	W072.85	B	04 32	05 14	04 35	05 14	04 35	05 14		
1758 D	05	35	08	E 093.72	B	05 14	06 03			05 14	06 03	05 17	05 58
1758 N	06	28	39	W099.66	B	06 03	07 01	06 03	06 12	06 03	06 12		
1758 N	06	28	39	W099.66	B			06 18	07 01	06 18	07 01		
1759 D	07	22	22	E 066.91	B	07 01	07 50			07 01	07 50	07 04	07 45
1759 N	08	15	53	W126.47	A	07 50	08 49	07 54	08 48	07 54	08 49		
1760 D	09	09	36	E 040.10	A	08 49	09 38			08 49	09 37	08 51	09 36
1760 N	10	03	07	W153.28	B	09 40	10 36	09 40	10 35	09 40	10 36		
1761 D	10	56	50	E 013.29	B	10 36	11 24			10 36	11 24	10 38	11 23
1761 N	11	50	21	E 179.91	A	11 24	12 23	11 27	12 23	11 27	12 23		
1762 D	12	44	04	W013.52	A	12 23	13 09			12 23	13 10	12 26	13 07
1762 N	13	37	36	E 153.10	B	13 12	14 10	13 12	14 10	13 12	14 10		
1763 D	14	31	18	W040.32	B	14 10	14 59			14 10	14 59	14 13	14 58
1763 N	15	24	50	E 126.29	A	14 59	15 57	15 02	15 57	15 03	15 57		
1764 D	16	18	32	W067.13	A	15 57 16 42	16 37 16 46			15 57	16 38	16 00	16 38
1764 N	17	12	04	E 099.48	A	16 46	17 45						
1765 D	18	05	46	W093.94	A	17 45	18 33			18 23	18 33	17 47	18 32
1765 N	18	59	18	E 072.68	A	18 33	19 32	18 33	19 31	18 33	19 32		
1766 D	19	53	01	E 120.75	A/B	19 32	20 20			19 32	20 20	19 35	20 20
1766 N	20	46	32	E 045.87	B	20 20	21 19	20 20	21 18	20 20	21 19		
1767 D	21	40	15	W147.56	B	21 19	21 49			21 19	21 55	21 22	21 53
1767 D	21	40	15	W147.56	A	22 02	22 08			22 02	22 08		
1767 N	22	33	46	E 019.06	A	22 08	23 06	22 07	23 05	22 08	23 06		
1768 D	23	27	29	W174.37	A	23 06	23 55			23 06	23 55	23 08	23 54
1768 N	00	21	00	W007.75	A	23 55	00 54	23 55	00 04	23 55	00 04		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 18 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1769 D	01	14	43	E 158.62	B	00 54	01 42					00 56	01 41
1769 N	02	08	15	W034.56	B	01 42	02 03						
1770 D	03	01	57	E 132.01									
1770 N	03	55	29	W061.37									
1771 D	04	49	11	E 105.20									
1771 N	05	42	43	W088.18	B	05 32	06 15	05 33	06 14	05 33	06 15		
1772 D	06	36	25	E 078.39	B	06 15	07 04			06 15	07 04	06 18	07 00
1772 N	07	29	57	W114.99	A/B	07 04	08 03	07 04	08 02	07 04	08 03		
1773 D	08	23	40	E 051.58	A	08 03	08 51			08 03	08 51	08 05	08 50
1773 N	09	17	11	W141.80	B	08 51	09 50	08 55	09 49	08 55	09 50		
1774 D	10	10	54	E 024.77		09 50	10 38			09 50	10 38	09 52	10 37
1774 N	11	04	25	W168.61	A	10 38	11 37	10 40	11 36	10 41	11 25		
1775 D	11	58	08	W002.04		11 37	12 26					11 40	12 21
1775 N	12	51	39	E 164.58	B	12 26	13 24	12 27	13 23	12 27	13 24		
1776 D	13	45	22	W028.85	B	13 24	14 13			13 24	14 10	13 27	14 08
1776 N	14	38	54	E 137.77	A	14 13	15 11	14 13	15 10	14 13	15 11		
1777 D	15	32	36	W055.65	A	15 11	16 00			15 11	15 54	15 14	15 52
1777 N	16	26	08	E 110.96	B	15 00	16 59	16 00	16 58	16 00	16 59		
1778 D	17	19	50	W082.46	B/A	16 59	17 47			16 59	17 47	17 01	17 36
1778 N	18	13	22	E 084.16	A	17 47	18 46	17 47	18 45	17 47	18 46		
1779 D	19	07	04	W109.27	A/B	18 46	19 34			18 46	19 34	18 49	19 20
1779 N	20	00	36	E 057.34	B	19 34	20 33	19 34	20 32	19 34	20 33		
1780 D	20	54	18	W136.08	B	20 33	21 22			20 33	21 22	20 36	21 21
1780 N	21	47	50	E 030.54	A	21 22	22 20	21 22	22 20	21 22	22 20		
1781 D	22	41	33	W162.89	A	22 23 20 02	22 23 57 09			22 23 20 03	22 23 56 09	22 23	22 54
1781 N	23	35	04	E 003.73	A	23 09	00 08	23 09	00 06	23 09	00 08		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 19 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1782 D	00	28	47	E 170.30	A	00 08	00 56			00 08	00 56	00 10	00 52
1782 N	01	22	18	W023.08	B/A	00 56	01 55	00 56	01 53	00 56	01 55		
1783 D	02	16	01	E 143.49	B	01 55	02 43			01 55	02 43	01 58	02 43
1783 N	03	09	32	W049.89	B	02 43	03 04	02 43	03 03	02 43	03 03		
1784 D	04	03	15	E 116.68									
1784 N	04	56	47	W076.70	B	04 50	05 29	04 50	05 28	04 50	05 29		
1785 D	05	50	29	E 089.87	B	05 29	06 18			05 29	06 18	05 32	06 13
1785 N	06	44	01	W103.51	A/B	06 18	07 17	06 18	07 15	06 18	07 17		
1786 D	07	37	43	E 063.06	A	07 17	08 05			07 17	08 05	07 19	08 01
1786 N	08	31	15	W130.32	B	08 05	09 04	08 10	09 03	08 10	09 04		
1787 D	09	24	57	E 036.25	B	09 04	09 52			09 04	09 52	09 06	09 51
1787 N	10	18	29	W157.13	A	09 52	10 51	09 56	10 49	09 56	10 51		
1788 D	11	12	11	E 009.44	A	10 51	11 39			10 51	11 39	10 54	11 35
1788 N	12	05	43	E 176.06	B	11 39	12 38	11 42	12 37	11 43	12 38		
1789 D	12	59	26	W017.36	B	12 38	13 27			12 38	13 25	12 41	13 19
1789 N	13	52	57	E 149.25	A	13 27	14 25	13 27	14 24	13 26	14 25		
1790 D	14	46	40	W044.18	A	14 25	15 14			14 25	15 12	14 28	15 13
1790 N	15	40	11	E 122.44	B	15 14	16 13	15 14	16 11	15 14	16 13		
1791 D	16	33	54	W070.99	B/A	16 13	17 01			16 13	17 01	16 15	16 53
1791 N	17	27	26	E 095.63	A	17 01	18 00	17 02	17 58	17 01	18 00		
1792 D	18	21	08	W097.79	A/B	18 00	18 48			18 00	18 48	18 02 18 41	18 34 18 48
1792 N	19	14	40	E 068.82	B	18 48	19 47	18 49	19 46	18 48	19 47		
1793 D	20	08	22	W124.60	B/A	19 47	20 36			19 47	20 36	19 50	20 31
1793 N	21	01	54	E 042.01	A	20 36	21 34	20 36	21 33	20 36	21 34		
1794 D	21	55	36	W151.41	A	21 34	22 23			21 34	22 11	21 37	22 08
1794 D	21	55	36	W151.41	A					22 17	22 23		
1794 N	22	49	08	E 015.21	A	22 23	23 22	22 23	23 20	22 23	23 22		
1795 D	23	42	50	W178.22	A	23 22	00 10			23 22	00 10	23 24	00 09
1795 N	00	36	22	W011.60	B/A	00 10	01 09	00 17	01 07	00 10	01 09		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 20 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1796 D	01	30	04	E 154.97	B	01 09	01 57			01 09	01 57	01 11	01 53
1796 N	02	23	36	W038.41	B	01 57	02 18	01 58	02 18	01 57	02 19		
1797 D	03	17	19	E 128.16									
1797 N	04	10	50	W065.22									
1798 D	05	04	33	E 101.35									
1798 N	05	58	05	W092.03	B	05 49	06 30	05 50	06 29	05 50	06 30		
1799 D	06	51	47	E 074.54	B	06 30	07 19			06 30	07 19	06 33	07 18
1799 N	07	45	19	W118.84	A/B	07 19	08 18	07 19	08 16	07 19	08 18		
1800 D	08	39	01	E 047.73	A	08 18	09 06			08 18	09 06	08 21	09 06
1800 N	09	32	33	W145.65	B	09 06	10 05	09 10	10 04	09 10	10 05		
1801 D	10	26	15	E 020.92	B					10 05	10 53	10 07	10 49
1801 N	11	19	47	W172.43	A	10 56	11 52	10 56	11 51	10 56	11 52		
1802 D	12	13	29	W005.89	A	11 52	12 41			11 52	12 41	11 55	12 36
1802 N	13	07	01	E 160.73	B	12 41	13 39	12 44	13 34	12 45	13 39		
1803 D	14	00	43	W032.70	B	13 39	14 26			13 39	14 27	13 42	14 24
1803 N	14	54	15	E 133.92	A	14 28	15 27	14 28	15 25	14 28	15 27		
1804 D	15	47	57	W059.50	A	15 27	16 15			15 27	16 11	15 29	16 11
1804 N	16	41	29	E 107.11	B	16 15	17 14	16 16	17 12	16 15	17 14		
1805 D	17	35	12	W086.32	B/A	17 14	18 02			17 14	18 02	17 17	17 55
1805 N	18	28	43	E 080.30	A	18 02	19 01	18 03	18 59	18 02	19 01		
1806 D	19	22	26	W113.12	A/B	19 01	19 50			19 01	19 50	19 04	19 49
1806 N	20	15	58	E 053.49	B	19 50	20 48	19 50	20 47	19 50	20 48		
1807 D	21	09	40	W139.93	B/A	20 48	21 37			20 48	21 37	20 51	21 22
1807 N	22	03	12	E 026.68	A	21 37	22 36	21 37	22 34	21 37	22 36		
1808 D	22	56	54	W166.74	A	22 36	23 12			22 36	23 12	22 38	23 10
1808 D	22	56	54	W166.74	A					23 18	23 24		
1808 N	23	50	26	W000.13	A			23 25	00 21	23 24	00 23		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 21 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1809 D	00	44	08	E 166.45	A					00 23	01 11	00 26	01 07
1809 N	01	37	40	W026.94	B/A			01 12	02 08	01 11	02 10		
1810 D	02	31	22	E 139.64	B					02 10	02 59	02 16	02 58
1810 N	03	24	54	W053.74	B			02 59	03 16	02 59	03 16		
1811 D	04	18	36	E 112.83									
1811 N	05	12	08	W080.55	B	05 07	05 44	05 08	05 42	05 08	05 44		
1812 D	06	05	50	E 086.02	B	05 44	06 33			05 44	06 33	05 47	06 28
1812 N	06	59	22	W107.36	B	06 33	06 42	06 33	06 42	06 33	06 42		
1812 N	06	59	22	W107.36	A	06 53	07 32	06 53	07 30	06 53	07 32		
1813 D	07	53	05	E 059.21	A	07 32	08 20			07 32	08 20	07 34	08 16
1813 N	08	46	37	W134.17	B/A	08 20	09 19	08 28	09 17	08 20	09 19		
1814 D	09	40	19	E 032.40	B	09 19	10 07			09 19	10 07	09 22	10 07
1814 N	10	33	51	W160.98	A	10 07	11 06	10 10	11 04	10 10	11 06		
1815 D	11	27	33	E 005.59	A	11 06	11 55			11 06	11 55	11 09	11 51
1815 N	12	21	05	E 172.21	B	11 55	12 53	12 00	12 52	12 00	12 53		
1816 D	13	14	47	W021.22	B	12 53	13 42			12 53	13 42	12 56	13 38
1816 N	14	08	19	E 145.40	A	13 42	14 41	13 45	14 39	13 45	14 41		
1817 D	15	02	01	W048.03	A	14 41	15 29			14 41	15 30	14 43	15 25
1817 N	15	55	33	E 118.59	B	15 29	16 28	15 31	16 27	15 31	16 28		
1818 D	16	49	15	W074.84	B	16 28	17 16			16 28	17 10	16 27	17 09
1818 N	17	42	47	E 091.78	A	17 16	18 15	17 17	18 14	17 16	18 15		
1819 D	18	36	29	W101.65	A/B	18 15	19 04			18 15	19 04	18 18	18 52
1819 N	19	30	01	E 064.97	B	19 04	20 02	19 04	20 02	19 04	20 02		
1820 D	20	23	43	W128.45	B/A	20 02	20 51			20 02	20 51	20 05	20 39
1820 N	21	17	16	E 038.16	A	20 51	21 50	20 51	21 48	20 51	21 50		
1821 D	22	10	58	W155.26	A	21 50	22 29			21 50	22 28	21 52	22 27
1821 N	23	04	30	E 011.35	A			22 39	23 35	22 38	23 37		
1822 D	23	58	12	E 177.93	A					23 37	00 25	23 39	00 25
1822 N	00	51	44	W015.46	A	00 38	01 24	00 26	01 23	00 25	00 36		
1822 N	00	51	44	W015.46	B					00 41	01 24		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 22 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1823 D	01	45	26	E 151.12	B	01 24	02 12			01 24	02 12	01 23	02 08
1823 N	02	38	58	W042.27	B	02 12	02 35			02 12	02 35		
1824 D	03	32	40	E 124.31									
1824 N	04	26	12	W069.08	B	04 23	04 58	04 23	04 57	04 23	04 58		
1825 D	05	19	54	E 097.50	B	04 58	05 47			04 58	05 47	05 01	05 46
1825 N	06	13	26	W095.88	B	05 47	05 56	06 02	06 44	05 47	05 56		
1825 N	06	13	26	W095.88	B	06 12	06 46			06 02	06 44		
1826 D	07	07	08	E 070.69	B	06 46	07 34			06 46	07 34	06 48	07 33
1826 N	08	00	40	W122.69	B/A	07 34	08 33	07 35	08 31	07 34	08 33		
1827 D	08	54	22	E 043.88	A	08 33	09 24			08 33	09 21	08 36	09 21
1827 N	09	47	54	W149.50	A	09 29	10 20	09 29	10 19	09 29	10 20		
1828 D	10	41	36	E 017.07	A	10 20	11 09			10 20	11 09	10 23	11 04
1828 N	11	35	09	W176.31	B	11 09	12 07	11 12	12 06	11 12	12 07		
1829 D	12	28	51	W009.74	B	12 07	12 56			12 07	12 54	12 10	12 52
1829 N	13	22	23	E 156.88	A	12 56	13 55	12 57	13 53	12 56	13 55		
1830 D	14	16	05	W036.55	A	13 55	14 43			13 55	14 39	13 57	14 39
1830 N	15	09	37	E 130.07	B	14 43	15 42	14 44	15 41	14 43	15 42		
1831 D	16	03	19	W063.36	B	15 42	16 30			15 42	16 23	15 45	16 23
1831 N	16	56	51	E 103.26	A	16 30	17 29	16 31	17 27	16 30	17 29		
1832 D	17	50	33	W090.17	A/B	17 29	18 18			17 29	18 18	17 32	18 06
1832 N	18	44	05	E 076.45	B	18 18	19 16	18 18	19 14	18 18	19 16		
1833 D	19	37	47	W116.97	B/A	19 16	20 05			19 16	20 05	19 22	19 47
1833 N	20	31	19	E 049.64	A	20 05	21 04	22 05	21 02	20 05	21 04		
1834 D	21	25	01	W143.79	A	21 04	21 44			21 04	21 43	21 03	21 41
1834 N	22	18	33	E 022.83	A			21 52	22 48	21 52	22 51		
1835 D	23	12	15	W170.59	A					22 51	23 39	22 53	23 39
1835 N	00	05	48	W003.98	B/A	23 43	00 38	23 40	00 36	23 39	00 38		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 23 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1836 D	00	59	29	E 162.60	B	00 38	01 26			00 38	01 26	00 41	01 26
1836 N	01	53	02	W030.79	B	01 26	01 45	01 27	01 39	01 26	01 37		
1837 D	02	46	44	E 135.79									
1837 N	03	40	16	W057.60									
1838 D	04	33	58	E 108.98									
1838 N	05	27	30	W084.41	B	05 16	06 00	05 17	05 58	05 08	06 00		
1839 D	06	21	12	E 082.17	B	06 00	06 48			06 00	06 48	06 02	06 44
1839 N	07	14	44	W111.22	A/B	06 48	07 47	06 58	07 44	06 48	07 47		
1840 D	08	08	26	E 055.36	A	07 47	08 35			07 47	08 35	07 49	08 35
1840 N	09	01	58	W138.03	B	08 35	09 34	08 40	09 33	08 40	09 34		
1841 D	09	55	40	E 028.55	B	09 34	10 23			09 34	10 23	09 37	10 18
1841 N	10	49	12	W164.83	A	10 23	11 21	10 26	11 19	10 26	11 21		
1842 D	11	42	54	E 001.74	A	11 21	12 10			11 21	12 09	11 24	12 09
1842 N	12	36	26	E 168.35	B	12 10	13 09	12 11	13 07	12 11	13 09		
1843 D	13	30	08	W025.07	B	13 09	13 55			13 09	13 56	13 11	13 56
1843 N	14	23	41	E 141.55	A	13 57	14 56	13 58	14 54	13 58	14 56		
1844 D	15	17	22	W051.88	A	14 56	15 44			14 56	15 38	14 58	15 37
1844 N	16	10	55	E 114.74	B	15 44	16 43	15 45	16 41	15 44	16 43		
1845 D	17	04	37	W078.69	B/A	16 43	17 32			16 43	17 31	16 46	17 31
1845 N	17	58	09	E 087.93	A	17 32	18 30	17 32	18 27	17 31	18 30		
1846 D	18	51	51	W105.50	A/B	18 30	19 06			18 30	19 19	18 19 33 11	19 19 04 18
1846 N	19	45	23	E 061.12	B	20 08	20 17	19 19	20 16	19 19	20 17		
1847 D	20	39	05	W132.31	B/A	20 17	20 54			20 17	21 06	20 20	21 05
1847 N	21	32	37	E 034.31	A	21 14	22 05	21 07	22 03	21 06	22 05		
1848 D	22	26	19	W159.11	A	22 05	22 40			22 05	22 41	22 07	22 39
1848 D	22	26	19	W159.11	A	22 46	22 53			22 47	22 53		
1848 N	23	19	51	E 007.50	A	22 53	23 52	22 54	23 51	22 53	23 52		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 24 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1849 D	00	13	33	E 174.08	A	23 52	00 40			23 52	00 40	23 55	00 36
1849 N	01	07	05	W019.31	B/A	00 40	01 39	00 41	01 38	00 40	01 39		
1850 D	02	00	47	E 147.27	B	01 39	02 28			01 39	02 28	01 42	02 23
1850 N	02	54	20	W046.12	B	02 28	02 42	02 28	02 42	02 28	02 42		
1851 D	03	48	01	E 120.46									
1851 N	04	41	34	W072.93	B	04 33	05 14	04 34	05 12	04 33	05 14		
1852 D	05	35	15	E 093.65	B	05 14	06 02			05 14	06 02	05 16	06 01
1852 N	06	28	48	W099.74	B	06 02	07 01	06 03	06 12	06 02	06 12		
1852 N	06	28	48	W099.74	B			06 18	07 00	06 18	07 01		
1853 D	07	22	30	E 066.84	B	07 01	07 49			07 01	07 49	07 03	07 45
1853 N	08	16	02	W126.54	A	07 49	08 48	07 54	08 47	07 54	08 48		
1854 D	09	09	44	E 040.04	A	08 48	09 37			08 48	09 37	08 51	09 36
1854 N	10	03	16	W153.34	B	09 37	10 35	09 40	10 34	09 40	10 35		
1855 D	10	56	58	E 013.22	B	10 35	11 24			10 35	11 24	10 38	11 20
1855 N	11	50	30	E 179.84	A	11 24	12 23	11 27	12 21	11 27	12 23		
1856 D	12	44	12	W013.58	A	12 23	13 10			12 23	13 10	12 25	13 07
1856 N	13	37	44	E 153.04	B	13 12	14 10	13 12	14 09	13 12	14 10		
1857 D	14	31	26	W040.40	B	14 10	14 58			14 10	14 55	14 12	14 54
1857 N	15	24	59	E 126.22	A	14 58	15 57	14 59	15 56	14 58	15 57		
1858 D	16	18	40	W067.20	A/B	15 57	16 39			15 57	16 45	16 00	16 38
1858 N	17	12	13	E 099.42	B	16 44	17 44	16 46	17 43	16 45	17 44		
1859 D	18	05	54	W094.01	B/A	17 44	18 33			17 44	18 33	17 49	18 32
1859 N	18	59	27	E 072.60	A	18 33	19 31	18 33	19 30	18 33	19 31		
1860 D	19	53	08	W120.82	A/B	19 31	20 20			19 31	20 20	19 34	20 19
1860 N	20	46	41	E 045.80	B	20 20	21 19	20 21	21 17	20 20	21 19		
1861 D	21	40	23	W147.63	B	21 19	21 54			21 19	21 53	21 21	21 52
1861 D	21	40	23	W147.63	A	21 59	22 07			22 00	22 07		
1861 N	22	33	55	E 018.98	A	22 07	23 06	22 08	23 05	22 07	23 06		
1862 D	23	27	37	W174.44	A	23 06	23 54			23 06	23 54	23 08	23 50
1862 N	00	21	09	W007.82	B/A	23 54	00 53	23 59	00 52	23 54	00 53		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 25 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1863 D	01	14	51	E 158.75	B	00 53	01 42			00 53	01 26	00 56	01 27
1863 N	02	08	23	W034.64	B	01 42	02 01						
1864 D	03	02	05	E 131.94									
1864 N	03	55	37	W061.44									
1865 D	04	49	19	E 105.13									
1865 N	05	42	52	W088.26	B	05 33	06 15	05 33	06 13	05 33	06 15		
1866 D	06	36	33	E 078.33	B	06 15	07 03			06 15	07 03	06 17	07 03
1866 N	07	30	06	W115.06	A/B	07 03	08 02	07 04	08 00	07 03	08 02		
1867 D	08	23	47	E 051.51	A	08 02	08 50			08 02	08 50	08 05	08 50
1867 N	09	17	20	W141.87	B	08 50	09 49	08 54	09 48	08 54	09 49		
1868 D	10	11	01	E 024.71	B	09 49	10 38			09 49	10 38	09 52	10 37
1868 N	11	04	34	W168.68	A	10 38	11 36	10 41	11 35	10 41	11 36		
1869 D	11	58	16	W002.11	A	11 36	12 26			11 36	12 25	11 39	12 21
1869 N	12	51	48	E 164.51	B	12 28	13 24	12 28	13 23	12 28	13 24		
1870 D	13	45	30	W028.91	B	13 24	14 12			13 24	14 10	13 26	14 08
1870 N	14	39	02	E 137.71	A	14 12	15 11	14 13	15 10	14 12	14 59		
1871 D	15	32	44	W055.72	A	15 11	15 59					15 14	15 52
1871 N	16	26	16	E 110.89	B	15 59	16 58	16 00	16 57	15 59	16 58		
1872 D	17	19	58	W082.53	B/A	16 58	17 47			16 58	17 47	17 01	17 35
1872 N	18	13	31	E 084.09	A	17 47	18 45	17 47	18 44	17 47	18 45		
1873 D	19	07	12	W109.33	A/B	18 45	19 24			18 45	19 34	18 48	19 23
1873 N	20	00	45	E 057.27	B			19 35	20 31	19 34	20 33		
1874 D	20	54	26	W136.15	B/A	20 48	21 21			20 33	21 21	20 35	21 20
1874 N	21	47	59	E 030.47	A	21 21	22 20	21 22	22 18	21 21	22 20		
1875 D	22	41	40	W162.96	A	22 20	22 55			22 20	22 55	22 22	22 54
1875 D	22	41	40	W162.96	A	23 01	23 00			23 02	23 08		
1875 N	23	35	13	E 003.65	A	23 08	00 07	23 09	00 06	23 08	00 07		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 26 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1876 D	00	28	54	E 170.23	A	00 07	00 56			00 07	00 56	00 10	00 55
1876 N	01	22	27	W023.15	B/A	00 56	01 54	00 56	01 53	00 56	01 54		
1877 D	02	16	09	E 143.43	B	01 54	02 43			01 54	02 43	01 56	02 42
1877 N	03	09	41	W049.97	B	02 43	02 51	02 43	03 02	02 43	03 02		
1878 D	04	03	22	E 116.61									
1878 N	04	56	55	W076.77	B	04 48	05 29	04 48	05 28	04 48	05 29		
1879 D	05	50	37	E 089.81	B	05 29	06 17			05 29	06 17	05 31	06 13
1879 N	06	44	10	W103.59	A/B	06 17	06 58	06 18	07 15	06 17	07 16		
1880 D	07	37	51	E 062.99	A					07 16	08 04	07 19	08 04
1880 N	08	31	24	W130.39	B	08 9	09 02	08 10	09 01	08 10	09 03		
1881 D	09	25	05	E 036.19	B					09 03	09 52	09 06	09 51
1881 N	10	18	38	W157.21	A	09 55	10 50	09 55	10 49	09 55	10 50		
1882 D	11	12	19	E 009.37	A	10 50	11 39			10 50	11 39	10 53	11 38
1882 N	12	05	52	E 175.99	B	11 39	12 38	11 41	12 35	11 41	12 38		
1883 D	12	59	33	W017.43	B	12 38	13 26			12 38	13 25	12 40	13 22
1883 N	13	53	06	E 149.18	A	13 26	14 25	13 27	14 22	13 27	14 25		
1884 D	14	46	47	W044.25	A	14 25	15 13			14 25	15 09	14 27	15 06
1884 N	15	40	20	E 122.37	B	15 13	16 14	15 14	16 11	15 13	16 12		
1885 D	16	34	02	W071.05	B/A	16 54	17 01			16 12	17 01	16 15	16 50
1885 N	17	27	34	E 095.96	A	17 01	17 59	17 01	17 58	17 01	17 59		
1886 D	18	21	16	W097.87	A/B	17 59	18 48			17 59	18 48	18 05	18 47
1886 N	19	14	48	E 068.75	B	18 48	19 47	18 49	19 46	18 48	19 47		
1887 D	20	08	30	W124.67	B/A	19 47	20 35			19 47	20 35	19 49	20 34
1887 N	21	02	03	E 041.94	A	20 35	21 34	20 36	21 33	20 35	21 34		
1888 D	21	55	44	W151.48	A	21 34 22	22 10 22			21 34	22 10	21 36	22 08
1888 N	22	49	17	E 015.13	A	22 22	23 21	22 23	23 20	22 22	23 21		
1889 D	23	42	58	W178.29	A	23 21	00 09			23 21	00 09	23 24	00 08
1889 N	00	36	31	W011.68	B/A	00 09	01 08	00 10	01 07	00 09	01 08		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 27 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1890 D	01	30	12	E 154.90	B	01 08	01 57			01 08	01 57	01 11	01 56
1890 N	02	23	45	W038.48	B	01 57	02 17	01 58	02 17	01 57	02 17		
1891 D	03	17	26	E 128.09									
1891 N	04	10	59	W065.30	B	04 06	04 43	04 06	04 42	04 06	04 43		
1892 D	05	04	40	E 101.28	B	04 43	05 31			04 43	05 31	04 45	05 23
1892 N	05	58	13	W092.10	B	05 31	05 41	05 32	05 41	05 31	05 41		
1892 N	05	58	13	W092.10	B	05 47	06 30	05 47	06 29	05 47	06 30		
1893 D	06	51	55	E 074.47	B	06 30	07 18			06 30	07 18	06 33	07 18
1893 N	07	45	27	W118.92	A/B	07 07 18 32	07 08 29 17	07 19	08 16	07 18	08 17		
1894 D	08	39	09	E 047.66	A	08 17	09 06			08 17	09 06	08 20	09 05
1894 N	09	32	42	W145.72	B	09 06	10 04	09 09	10 02	09 10	10 04		
1895 D	10	26	23	E 020.86	B	10 04	10 53			10 04	10 53	10 07	10 52
1895 N	11	19	56	W172.54	A	10 53	11 52	10 55	11 49	10 55	11 52		
1896 D	12	13	37	W005.96	A	11 52	12 40			11 52	12 40	11 54	12 39
1896 N	13	07	10	E 160.66	B	12 40	13 39	12 42	13 37	12 42	13 39		
1897 D	14	00	51	W032.76	B	13 39	14 25			13 39	14 25	13 41	14 23
1897 N	14	54	24	E 133.85	A			14 28	15 25	14 27	15 26		
1898 D	15	48	05	W059.58	A/B	15 16 52 09	15 16 57 15			15 26	16 15	15 29	16 07
1898 N	16	41	38	E 107.04	B	16 15	17 13	16 16	17 11	16 15	17 13		
1899 D	17	35	19	W086.38	B/A	17 13	17 53			17 13	18 02	17 16	17 51
1899 N	18	28	52	E 080.24	A	18 52	19 01	18 03	19 00	18 02	19 01		
1900 D	19	22	33	W113.20	A/B	19 01	19 49			19 01	19 49	19 03	19 48
1900 N	20	16	06	E 053.42	B	19 49	20 48	19 50	20 47	19 49	20 48		
1901 D	21	09	48	W140.00	B/A	20 48	21 36			20 48	21 36	20 50	21 35
1901 N	22	03	20	E 026.62	A	21 36	22 35	21 37	22 34	21 36	22 35		
1902 D	22	57	02	W116.82	A	22 35	23 12			22 35	23 13	22 38	23 12
1902 N	23	50	35	W000.20	B			23 30	00 21	23 30	00 22		

TABLE 2-2
SENSOR ON - OFF TIMES
DATE 28 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1903 D	00	44	16	E 166.38	A					00 22	01 11	00 25	01 10
1903 N	01	37	49	W027.00	A			01 12	01 22	01 11	01 21		
1904 D	02	31	30	E 139.58									
1904 N	03	25	03	W053.82	B	02 57	03 57	02 59	03 53	02 58	03 57		
1905 D	04	18	44	E 112.76	B	03 57	04 45			03 57	04 45	03 59	04 44
1905 N	05	12	17	W080.62	B	04 45	04 53	04 46	04 57	04 45	04 57		
1905 N	05	12	17	W080.62	B	05 04	05 44	05 05	05 43	05 05	05 44		
1906 D	06	05	58	E 085.96	B	05 44	06 32			05 44	06 30	05 47	06 25
1906 N	06	59	31	W107.44	A/B	06 32	07 31	06 37	07 30	06 44	07 31		
1907 D	07	53	12	E 059.14	A	07 31	08 20			07 31	08 20	07 34	08 19
1907 N	08	46	45	W134.24	B	08 20	09 18	08 25	09 17	08 25	09 18		
1908 D	09	40	26	E 032.34	B	09 18	10 10			09 18	09 44	09 21	10 03
1908 D	09	40	26	E 032.34	B					09 48	10 07		
1908 N	10	33	59	W161.06	A			10 08	11 03	10 10	11 06		
1909 D	11	27	41	E 005.52	A	11 22	11 56			11 06	11 54	11 08	11 53
1909 N	12	21	14	E 172.14	B	11 59	12 53	11 56	12 52	11 56	12 53		
1910 D	13	14	55	W021.28	B	12 53	13 41			12 53	13 41	12 55	13 37
1910 N	14	08	28	E 145.32	A	13 41	14 40	13 42	14 39	13 42	14 40		
1911 D	15	02	09	W048.10	A	14 40	15 28			14 40	15 25	14 43	15 24
1911 N	15	55	42	E 118.52	B	15 28	16 27	15 29	16 26	15 28	16 27		
1912 D	16	49	23	W074.90	B	16 27	17 16			16 27	17 14	16 27	17 07
1912 N	17	42	56	E 091.71	A	17 16	18 14	17 17	18 13	17 16	18 14		
1913 D	18	36	37	W101.72	A/B	18 14	19 03			18 14	19 03	18 17	18 55
1913 N	19	30	10	E 064.90	B	19 03	20 02	19 04	20 01	19 03	20 02		
1914 D	20	23	51	W128.52	B/A	20 02	20 39			20 02	20 50	20 04	20 39
1914 N	21	17	24	E 038.09	A	21 36	21 49	20 51	21 48	20 50	21 49		
1915 D	22	11	05	W155.33	A	21 49	22 25			21 49	22 25	21 52	22 23
1915 D	22	11	05	W155.33	A	22 30	22 37			22 31	22 37		
1915 N	23	04	38	E 011.28	A	22 37	23 36	22 38	23 35	22 37	23 36		
1916 D	23	58	19	E 177.86	A	23 36	00 25			23 36	00 25	23 39	00 24
1916 N	00	51	52	W015.53	B/A	00 25	01 23	00 30	01 22	00 25	01 23		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 29 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1917 D	01	45	34	E 151.05	B	01 23	02 12			01 23	02 12	01 26	02 11
1917 N	02	39	07	W042.34	B	02 12	02 32	02 13	02 32	02 12	02 30		
1918 D	03	32	48	E 124.24									
1918 N	04	26	21	W069.15	B	04 20	04 58	04 20	04 57	04 20	04 58		
1919 D	05	20	02	E 097.43	B	04 58	05 46			04 58	05 46	05 01	05 46
1919 N	06	13	35	W095.95	B	05 46	05 56	05 47	05 56	05 46	05 56		
1919 N	06	13	35	W095.95	A	06 09	06 45	06 10	06 45	06 10	06 45		
1920 D	07	07	16	E 070.62	A	06 45	07 34			06 45	07 34	06 48	07 33
1920 N	08	00	49	W122.77	A/B	07 34	08 32	07 35	08 32	07 34	08 12		
1921 D	08	54	30	E 043.81		08 32	09 21					08 35	09 20
1921 N	09	48	03	W149.57	B	09 21	10 20	09 29	10 19	09 29	10 20		
1922 D	10	41	44	E 017.01	B	10 20	11 08			10 20	11 08	10 22	11 07
1922 N	11	35	17	W176.39	A	11 08	12 07	11 11	12 06	11 11	12 07		
1923 D	12	28	58	W009.81	A	12 07	12 55			12 07	12 55	12 09	12 54
1923 N	13	22	31	E 156.81	B	12 55	13 54	12 57	13 54	12 56	13 54		
1924 D	14	16	12	W036.61	B	13 54	14 42			13 54	14 40	13 57	14 38
1924 N	15	09	46	E 129.99	A	14 42	15 41	14 44	15 41	14 42	15 41		
1925 D	16	03	27	W063.43	A/B	15 41	16 30			15 41	16 30	15 44	16 22
1925 N	16	57	00	E 103.19	B	16 30	17 28	16 31	17 28	16 30	17 28		
1926 D	17	50	41	W090.23	B/A	17 28	18 08			17 28	18 17	17 31	18 06
1926 N	18	44	14	E 076.37	A			18 18	19 15	18 17	19 16		
1927 D	19	37	55	W117.05	A/B	19 52	20 04			19 16	20 04	19 18	20 03
1927 N	20	31	28	E 049.57	B	20 04	21 03	20 05	21 02	20 04	21 03		
1928 D	21	25	09	W143.85	B/A	21 03	21 51			21 03	21 51	21 05	21 51
1928 N	22	18	42	E 022.75	A	21 51	22 50	21 52	22 49	21 51	22 50		
1929 D	23	12	23	W170.67	A	22 50	23 28			22 50	23 27	22 53	23 27
1929 D	23	12	23	W170.67	A	23 33	23 39			23 33	23 39		
1929 N	00	05	56	W004.05	A	23 39	00 37	23 40	00 37	23 39	00 37		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 30 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1930 D	00	59	37	E 162.53	A	00 37	01 26			00 37	01 26	00 40	01 22
1930 N	01	53	10	W030.87	A	01 26	01 35	01 27	01 36	01 26	01 36		
1931 D	02	46	51	E 135.71									
1931 N	03	40	25	W057.67	B	03 11	04 12	03 16	04 12	03 13	04 12		
1932 D	04	34	05	E 108.91	B	04 12	05 00			04 12	05 00	04 15	05 00
1932 N	05	27	39	W084.48	B	05 00	05 13	05 01	05 13	05 00	05 13		
1932 N	05	27	39	W084.48	B	05 19	05 59	05 19	05 58	05 19	05 59		
1933 D	06	21	20	E 082.10	B	05 59	06 48			05 59	06 48	06 02	06 47
1933 N	07	14	53	W111.29	A/B	06 48	07 46	06 48	07 46	06 48	07 01		
1934 D	08	08	34	E 055.29	A	07 46	08 35					07 49	08 31
1934 N	09	02	07	W138.10	B	08 35	09 33	08 39	09 33	08 39	09 33		
1935 D	09	55	48	E 028.48	B	09 33	10 22			09 33	10 22	09 36	10 18
1935 N	10	49	21	W164.91	A	10 22	11 21	10 26	11 19	10 26	11 21		
1936 D	11	43	02	E 001.67	A	11 21	12 09			11 21	12 09	11 23	12 08
1936 N	12	36	35	E 168.28	B	12 09	13 08	12 12	13 07	12 12	13 08		
1937 D	13	30	16	W025.14	B	13 08	13 56			13 08	13 56	13 11	13 56
1937 N	14	23	49	E 141.48	A	13 56	14 55	13 58	14 54	13 56	14 55		
1938 D	15	17	30	W051.95	A	14 55	15 44			14 55	15 38	14 58	15 36
1938 N	16	11	03	E 114.66	B	15 44	16 42	15 45	16 40	15 44	16 42		
1939 D	17	04	44	W078.75	B/A	16 42	17 25			16 42	17 31	16 45	17 20
1939 N	17	58	18	E 087.86	A	17 54	18 30	17 32	18 27	17 31	18 30		
1940 D	18	51	58	W105.56	A/B	18 30	19 18			18 30	19 18	18 32	19 17
1940 N	19	45	32	E 061.05	B	19 18	20 17	19 19	20 16	19 18	20 17		
1941 D	20	39	13	W132.37	B/A	20 17	21 05			20 17	21 05	20 20	21 05
1941 N	21	32	46	E 034.24	A	21 05	22 04	21 06	22 03	21 05	22 04		
1942 D	22	26	27	W159.18	A	22 04 22 48	22 41 22 53			22 04	22 42	22 07	22 41
1942 N	23	20	00	E 007.44	A	22 53	23 51	22 54	23 51	22 53	23 51		

TABLE 2-2
SENSOR ON – OFF TIMES
DATE 31 AUGUST 1970

DATA ORBIT	ASCEND/DESCEND NODE				HDRSS	IRIS		THIR HUMIDITY		THIR TEMP		IDCS	
	TIME			LONG DEG		ON	OFF	ON	OFF	ON	OFF	ON	OFF
	HR	MIN	SEC			HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN	HR MIN
1943 D	00	13	41	E 174.01	A	23 51	00 40			23 51	00 40	23 54 00 08	00 03 00 39
1943 N	01	07	14	W019.38	B/A	00 40	01 39	00 41	01 38	00 40	01 39		
1944 D	02	00	55	E 147.21	B	01 39	02 27			01 39	02 27	01 55	02 26
1944 N	02	54	23	W046.17	B	02 27	02 49	02 28	02 49	02 27	02 49		
1945 D	03	48	09	E 120.41									
1945 N	04	41	42	W072.99	B	04 33	05 13	04 34	05 12	04 34	05 13		
1946 D	05	35	23	E 093.59	B	05 13	06 01			05 13	06 02	05 16	05 59
1946 N	06	28	57	W099.79	B	06 01	07 00	06 13	06 59	06 02	06 11		
1946 N	06	28	57	W099.79	A					06 14	07 00		
1947 D	07	22	37	E 066.78	A	07 00	07 49			07 00	07 49	07 03	07 48
1947 N	08	16	11	W126.61	B	07 49	08 47	07 55	08 46	07 55	08 48		
1948 D	09	09	51	E 039.97	B	08 47	09 36			08 48	09 36	08 50	09 35
1948 N	10	03	25	W153.41	A	09 36	10 35	09 40	10 34	09 40	10 35		
1949 D	10	57	06	E 013.17	A	10 35	11 23			10 35	11 23	10 37	11 22
1949 N	11	50	39	E 179.77	B	11 23	12 22	11 25	12 20	11 27	12 22		
1950 D	12	44	20	W013.64	B	12 22	13 10			12 22	13 10	12 25	13 06
1950 N	13	37	53	E 152.97	A	13 10	14 09	13 12	14 08	13 12	14 09		
1951 D	14	31	34	W040.45	A	14 09	14 56			14 09	14 56	14 12	14 53
1951 N	15	25	07	E 126.18	B			14 59	15 56	14 58	15 56		
1952 D	16	18	48	W067.24	B	15 58	16 45			15 56	16 39	15 59	16 37
1952 N	17	12	21	E 099.37	A	16 45	17 44	16 46	17 43	16 45	17 44		
1953 D	18	06	02	W094.05	A/B	17 44	18 32			17 44	18 32	17 46	18 21
1953 N	18	59	35	E 072.55	B	18 32	19 31	18 33	19 30	18 32	19 31		
1954 D	19	53	16	W120.88	B/A	19 31	20 19			19 31	20 19	19 34	20 05
1954 N	20	46	50	E 045.74	A	20 19	21 18	20 21	21 17	20 19	21 18		
1955 D	21	40	30	W147.69	A	21 18 22 02	21 56 22 07			21 18	21 54	21 21	21 55
1955 N	22	34	04	E 018.95	A	22 07	23 05	22 08	23 05	22 07	23 05		
1956 D	23	27	44	W174.48	A	23 05	23 54			23 05	23 54	23 08	23 53
1956 N	00	21	18	W007.86	A	23 54	00 05	23 55	00 05	23 54	00 05		

SECTION 3

IMAGE DISSECTOR CAMERA SYSTEM MONTAGES

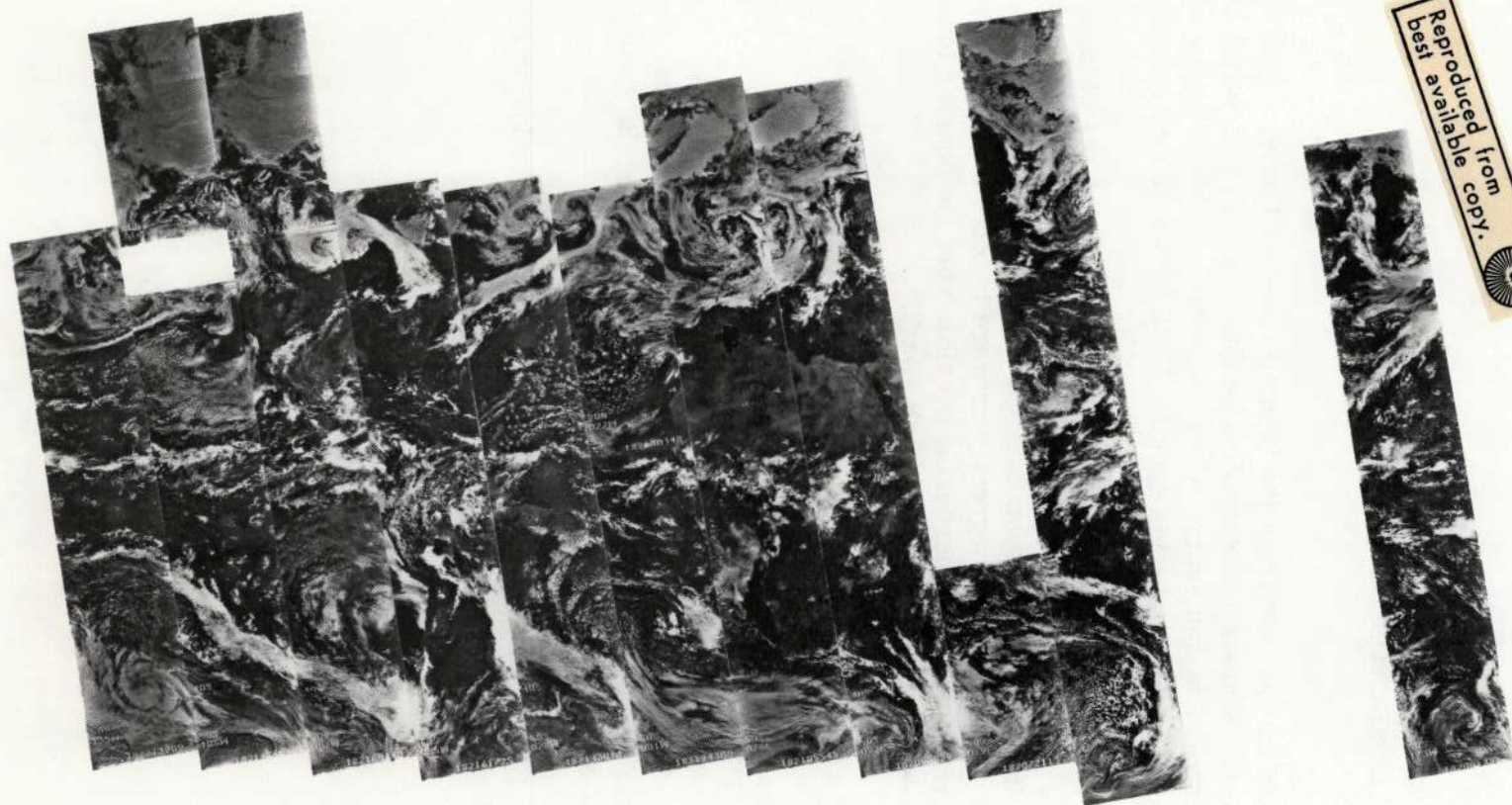
This section depicts the data from the Image Dissector Camera System (IDCS) experiment carried on the Nimbus 4 Meteorological Satellite. The pictorial montage presentation facilitates perusal and search of the IDCS data for preliminary research and also enables the user to determine his specific IDCS film data requirements.

The montages shown represent the daytime television pictures obtained for each day (UT) and are arranged in chronological order in a world montage format. Complete daylight orbital coverage is obtained with 15 consecutive pictures. Successive orbits, displaced about 27 degrees westward in longitude at the equator, provide adjacent pictorial data, with increasing overlap from the equator toward the poles. Data orbit number is indicated below each swath.

A vellum IDCS grid overlay (IDCS Location Guide), attached to the back of this catalog, is to be used for approximate location and orientation of the montage data. Proper alignment of the grid is accomplished by matching the grid indices on the equator with two "T" marks on each montage.

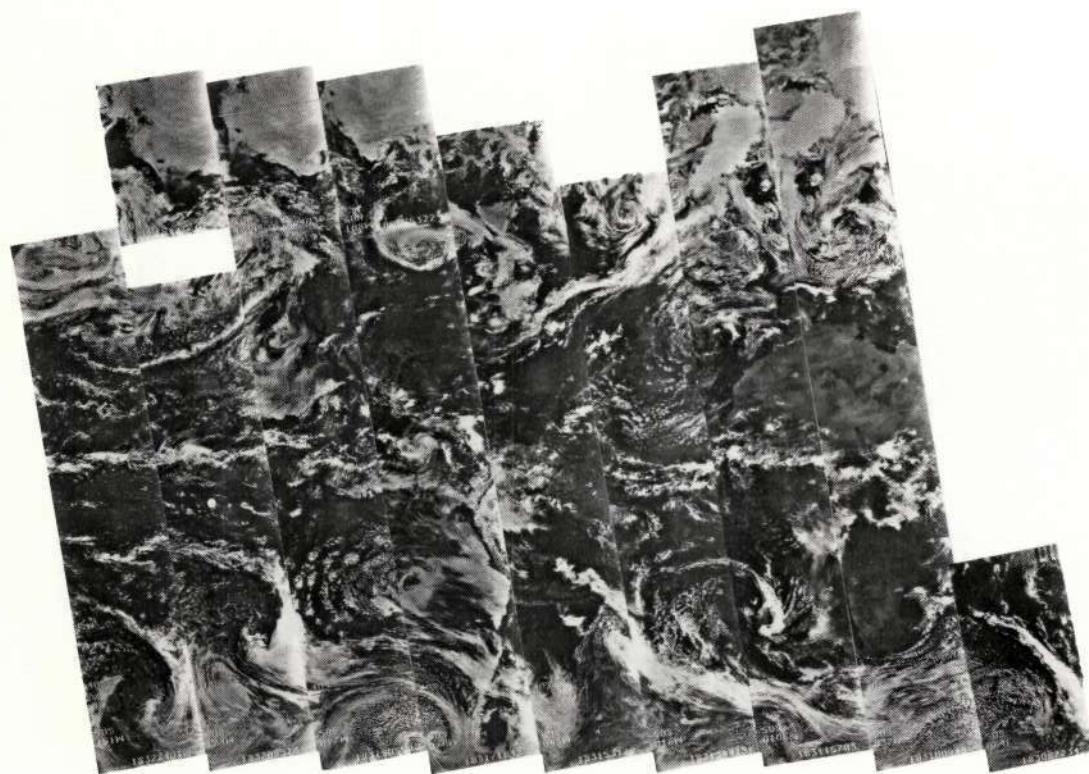
The data area, 5" x 9" in size, has been reduced from the original montage size of 22" x 32". This reduction, required for convenient catalog dimensions, still permits recognition of major cloud and land features.

A description of the IDCS experiment and instructions for ordering IDCS data may be found in the Nimbus IV User's Guide, Section 2.



1137 1136 1135 1134 1133 1132 1131 1130 1129 1128 1127 1126 1125 1124

1 JULY 1970



1150 1149 1148 1147 1146 1145 1144 1143 1142 1141 1140 1139 1138

2 JULY 1970

3-4

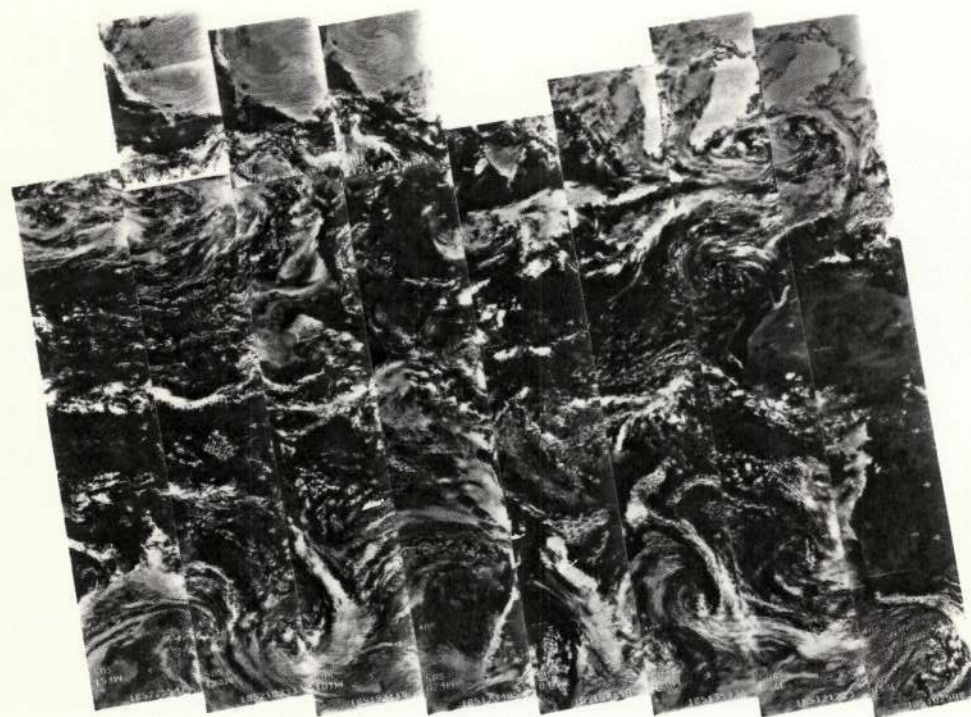
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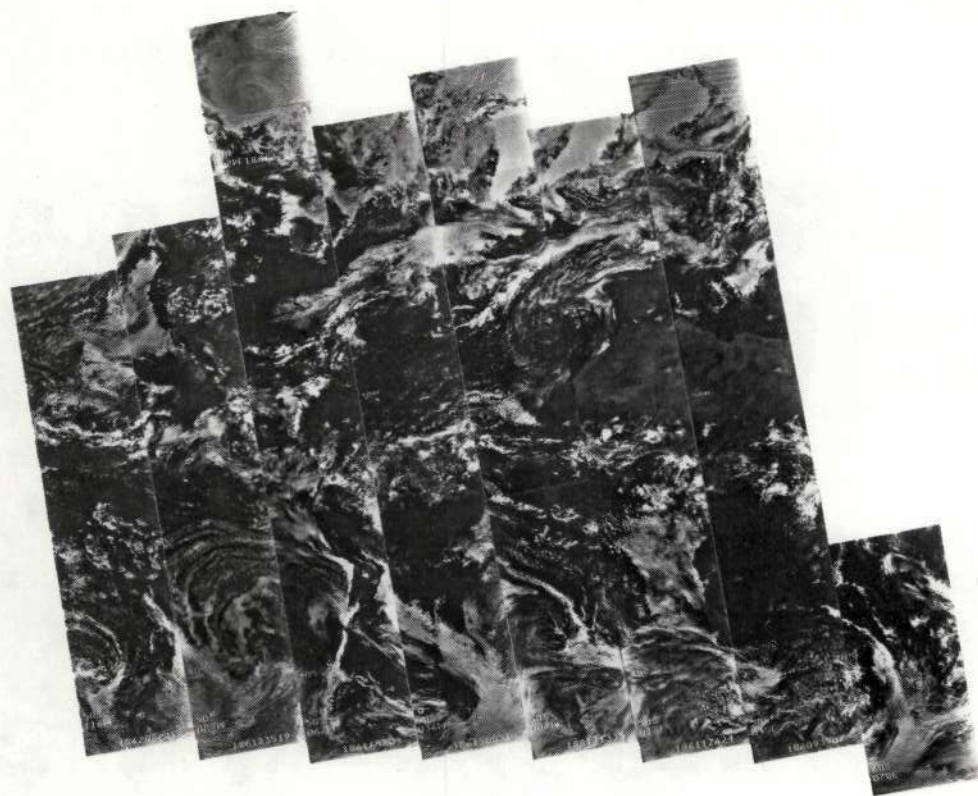
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3 JULY 1970



1177 1176 1175 1174 1173 1172 1171 1170 1169 1168 1167 1166 1165

4 JULY 1970

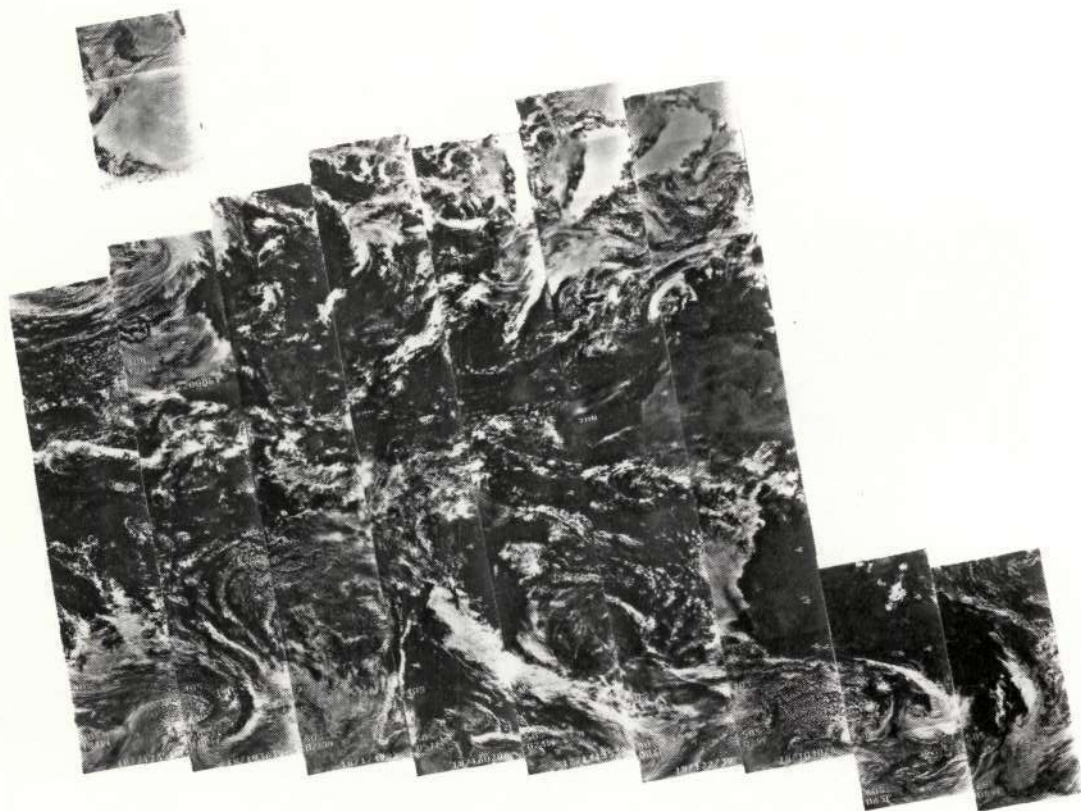


1190 1189 1188 1187 1186 1185 1184 1183 1182 1181 1180 1179 1178

5 JULY 1970

3-7

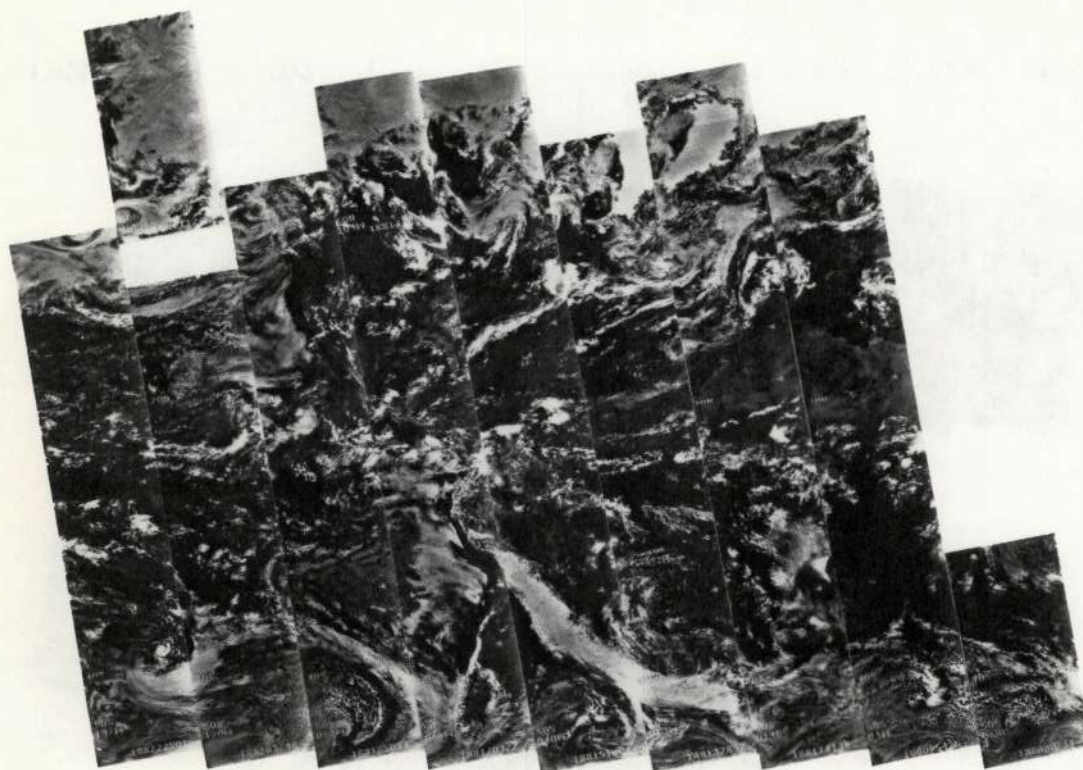
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1204 1203 1202 1201 1200 1199 1198 1197 1196 1195 1194 1193 1192 1191

6 JULY 1970



1217 1216 1215 1214 1213 1212 1211 1210 1209 1208 1207 1206 1205

7 JULY 1970

6-9

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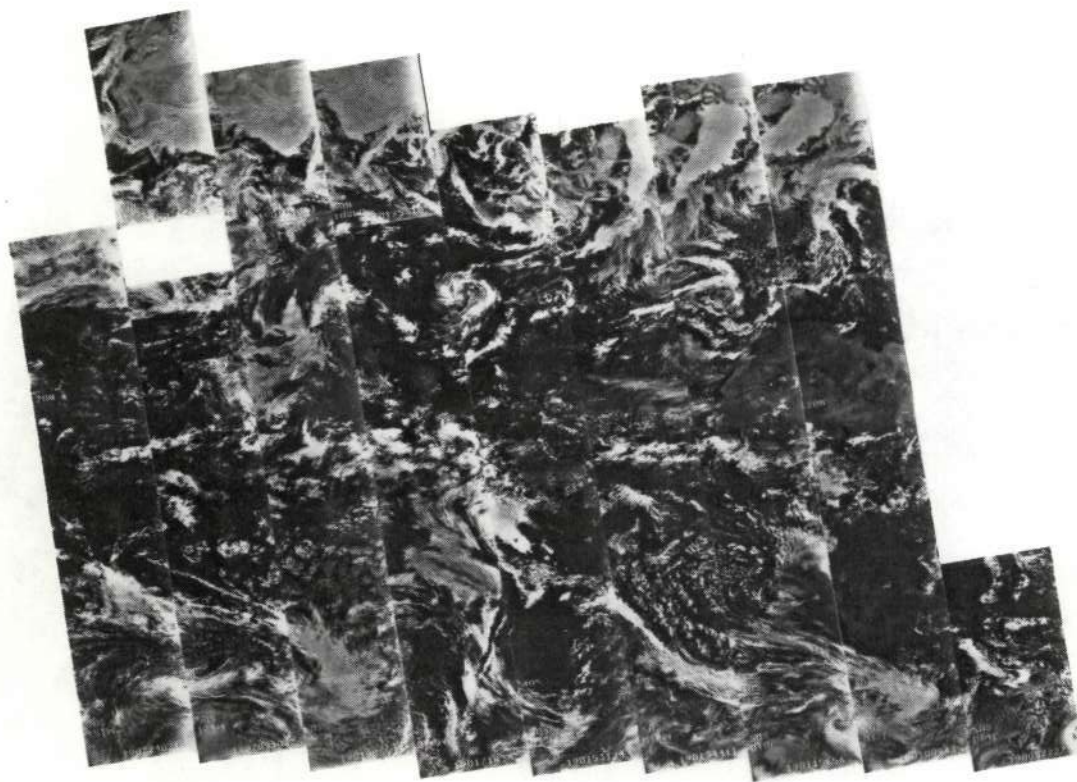
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8 JULY 1970

3-10

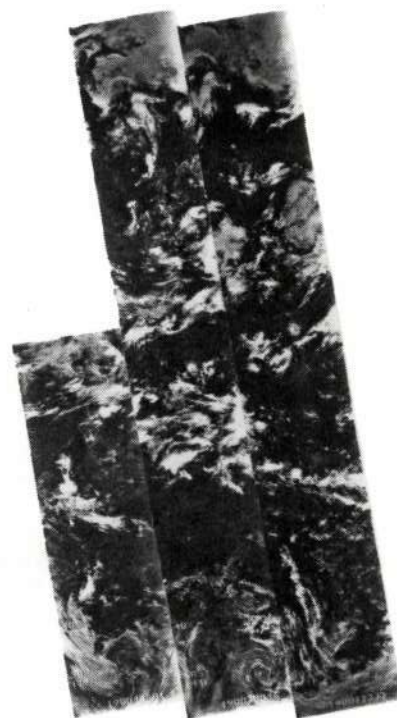
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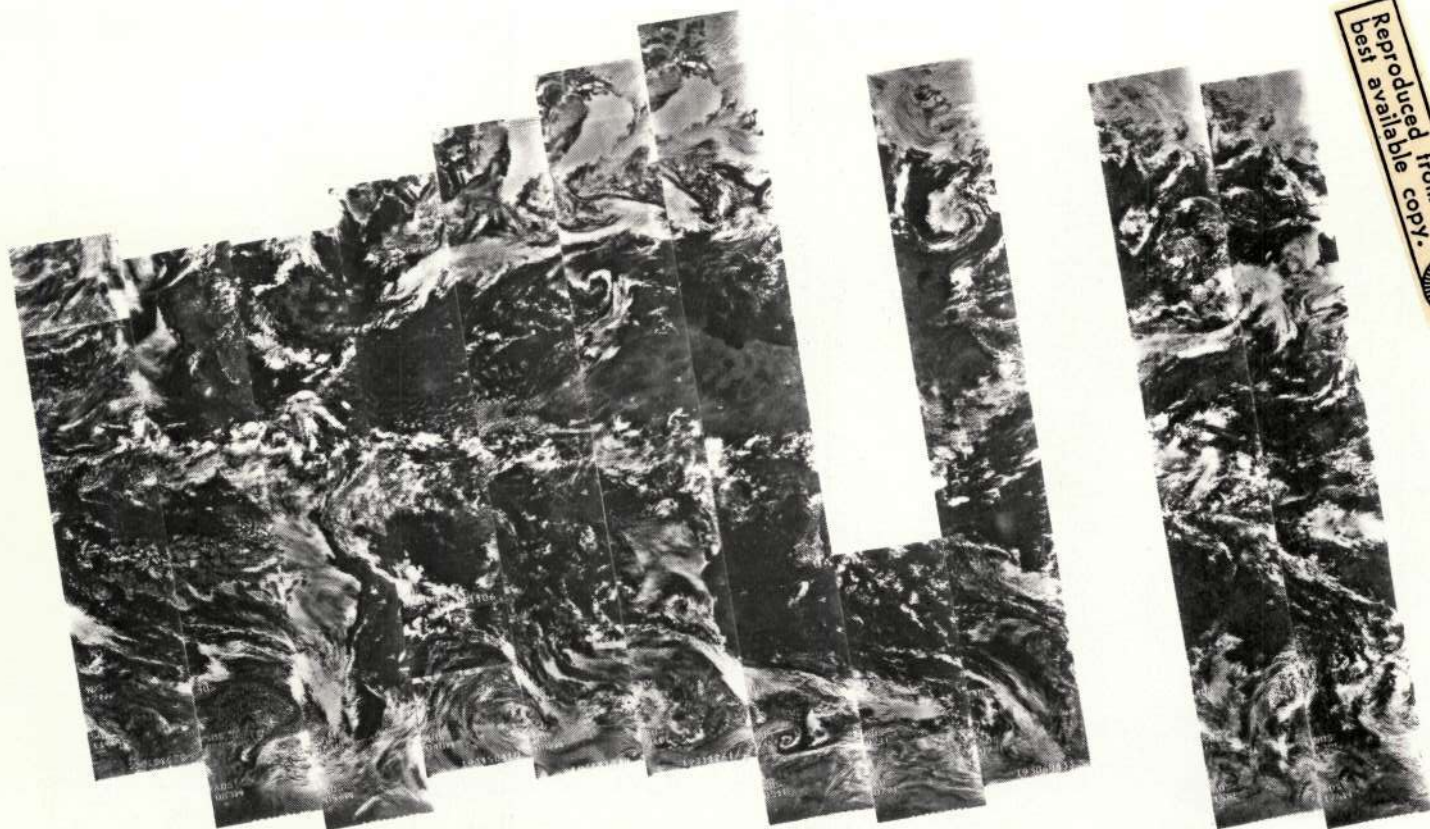
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9 JULY 1970

T



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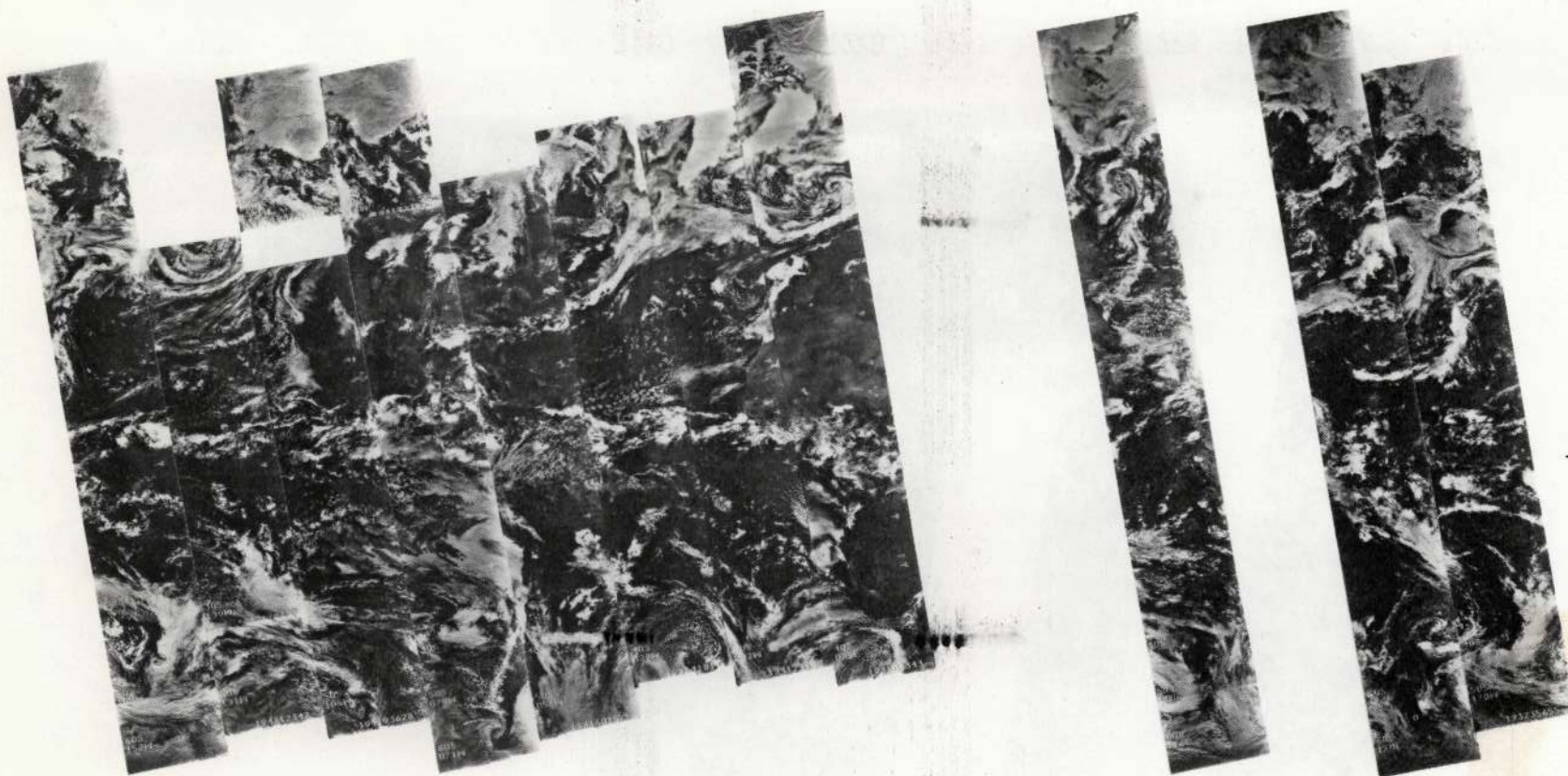
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1284 1283 1282 1281 1280 1279 1278 1277 1276 1275 1274 1273 1272

12 JULY 1970

3-14

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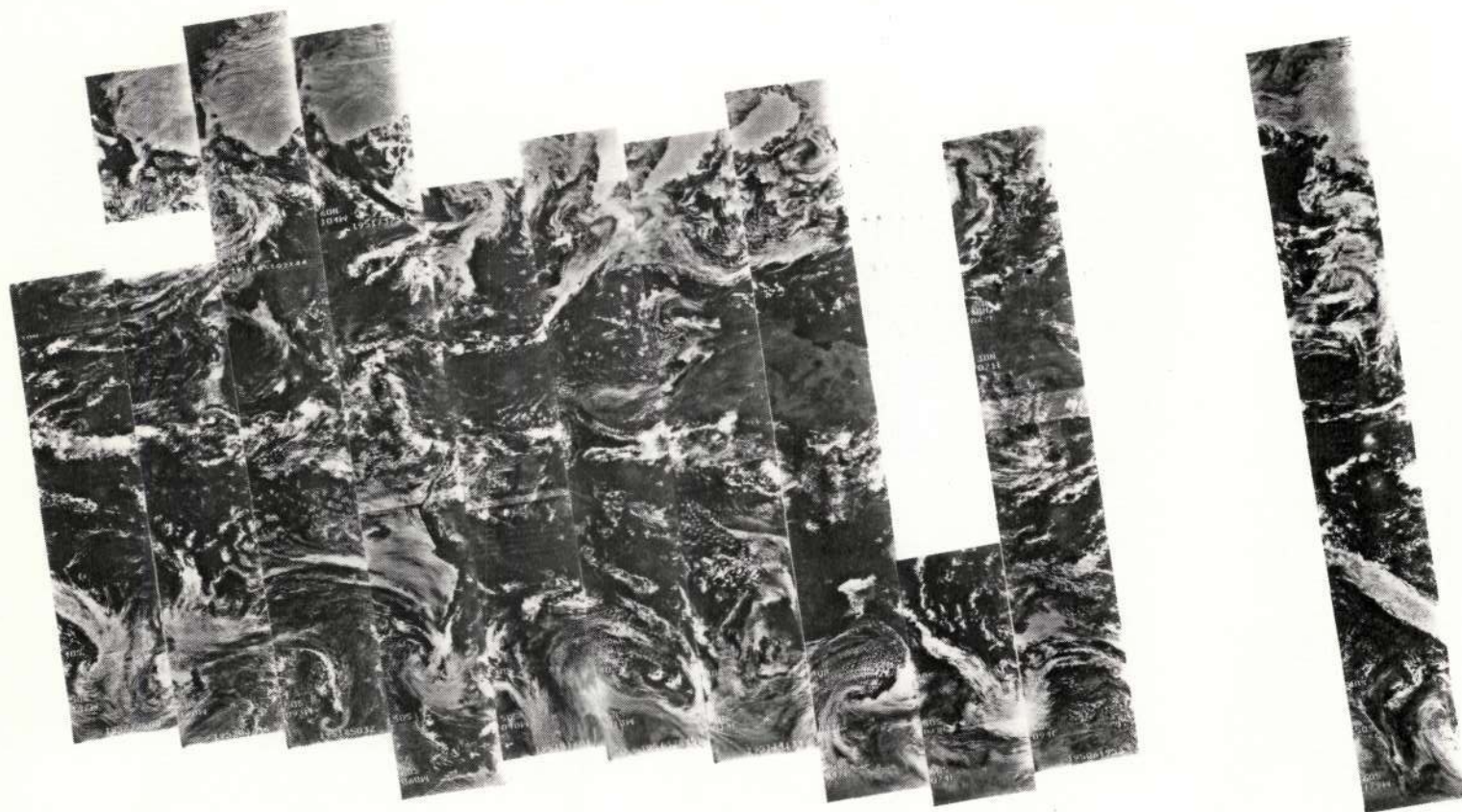


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1298 1297 1296 1295 1294 1293 1292 1291 1290 1289 1288 1287 1286 1285

13 JULY 1970

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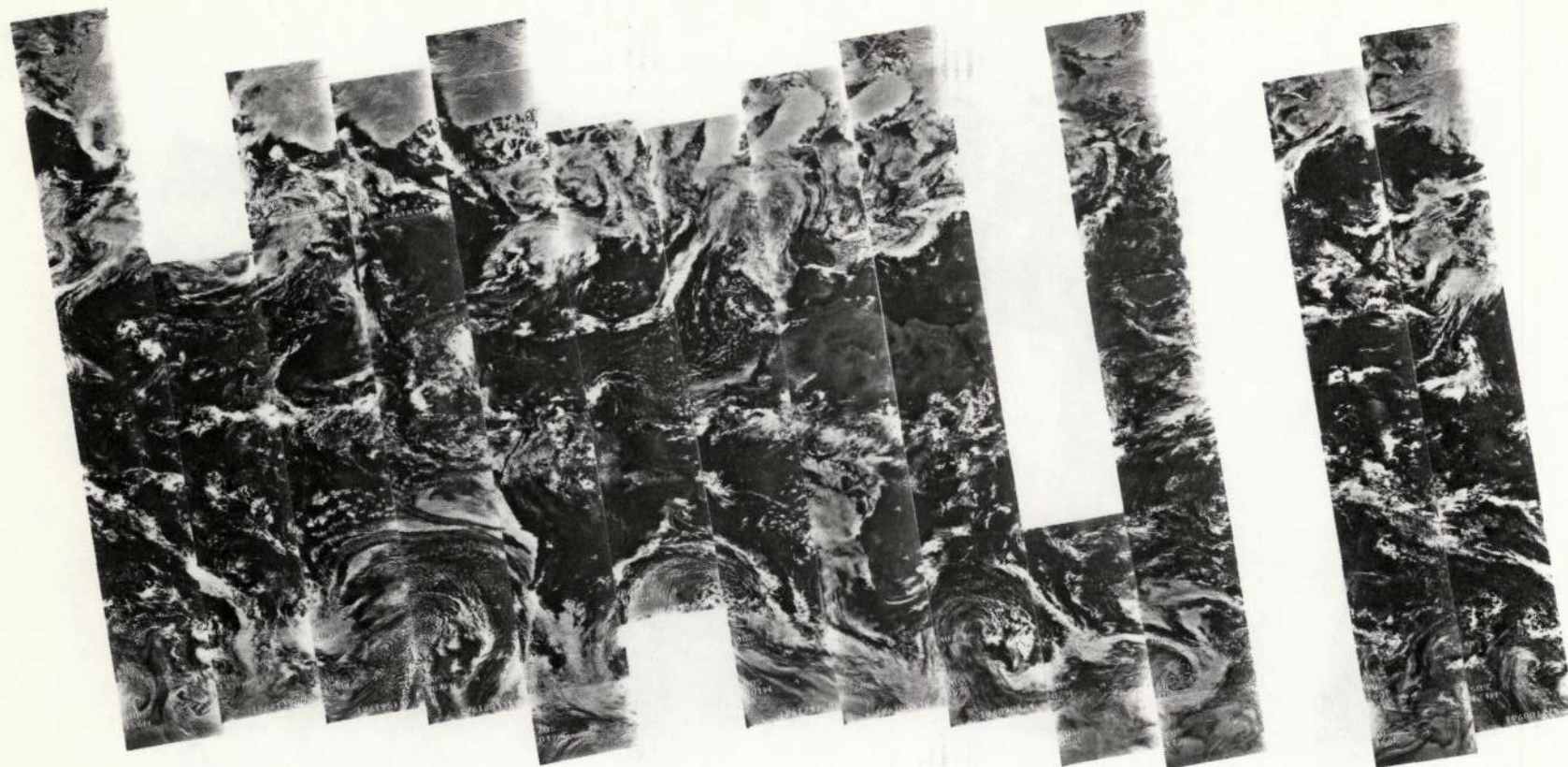


1311 1310 1309 1308 1307 1306 1305 1304 1303 1302 1301 1300 1299

14 JULY 1970

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1325 1324 1323 1322 1321 1320 1319 1318 1317 1316 1315 1314 1313 1312

15 JULY 1970

3-17

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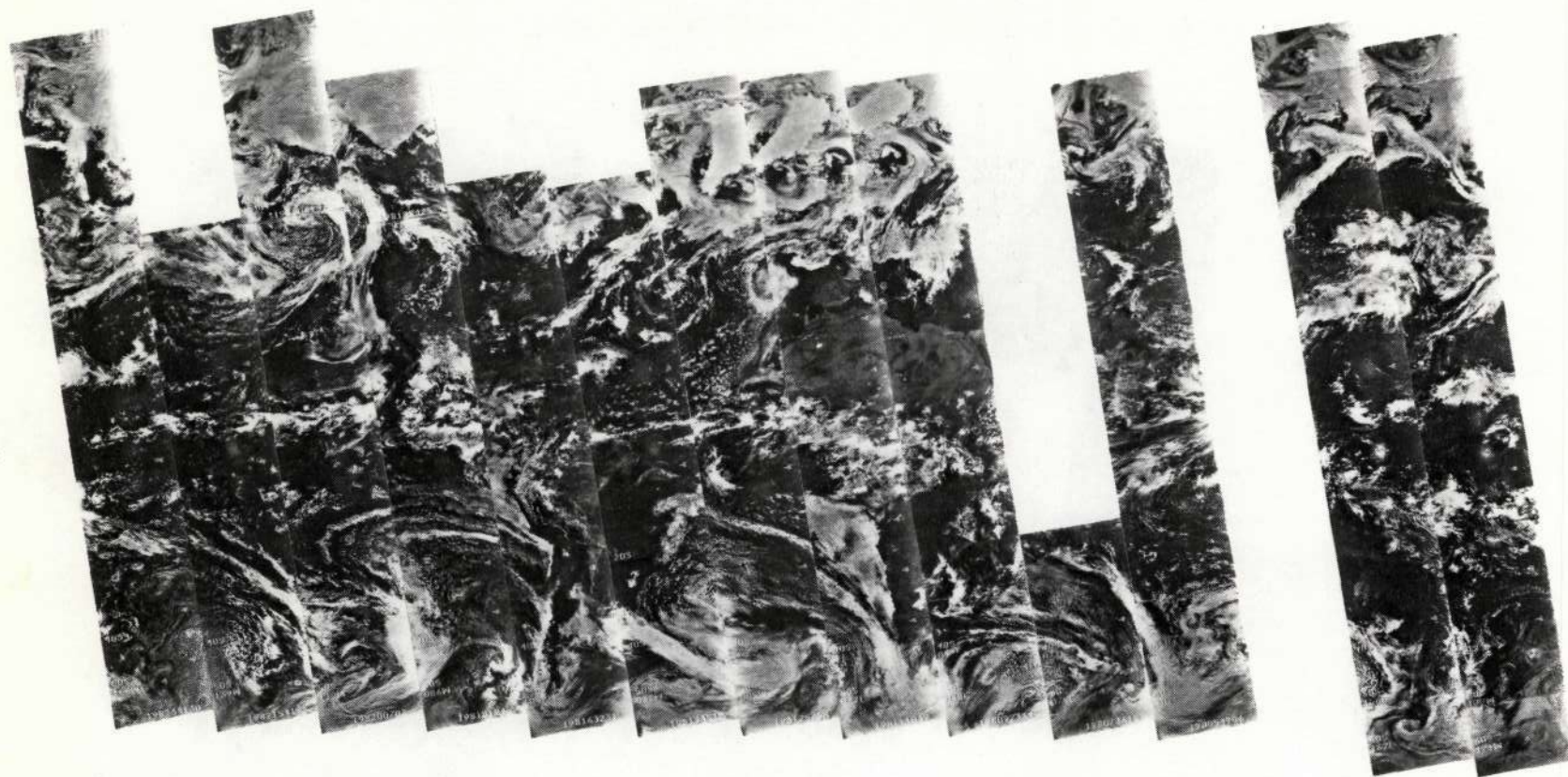
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16 JULY 1970

3-18

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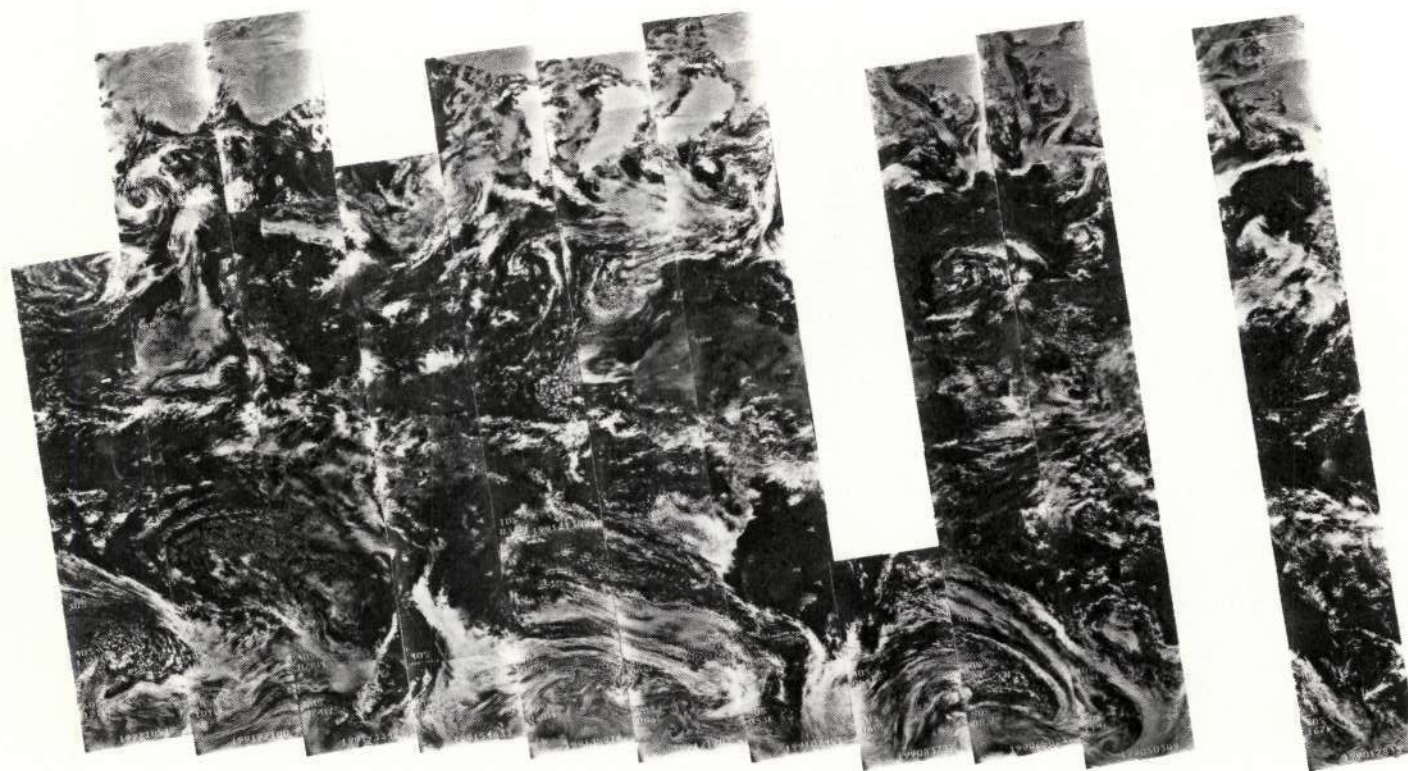


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17 JULY 1970

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18 JULY 1970



1378 1377 1376 1375 1374 1373 1372 1371 1370 1369 1368 1367 1366

19 JULY 1970

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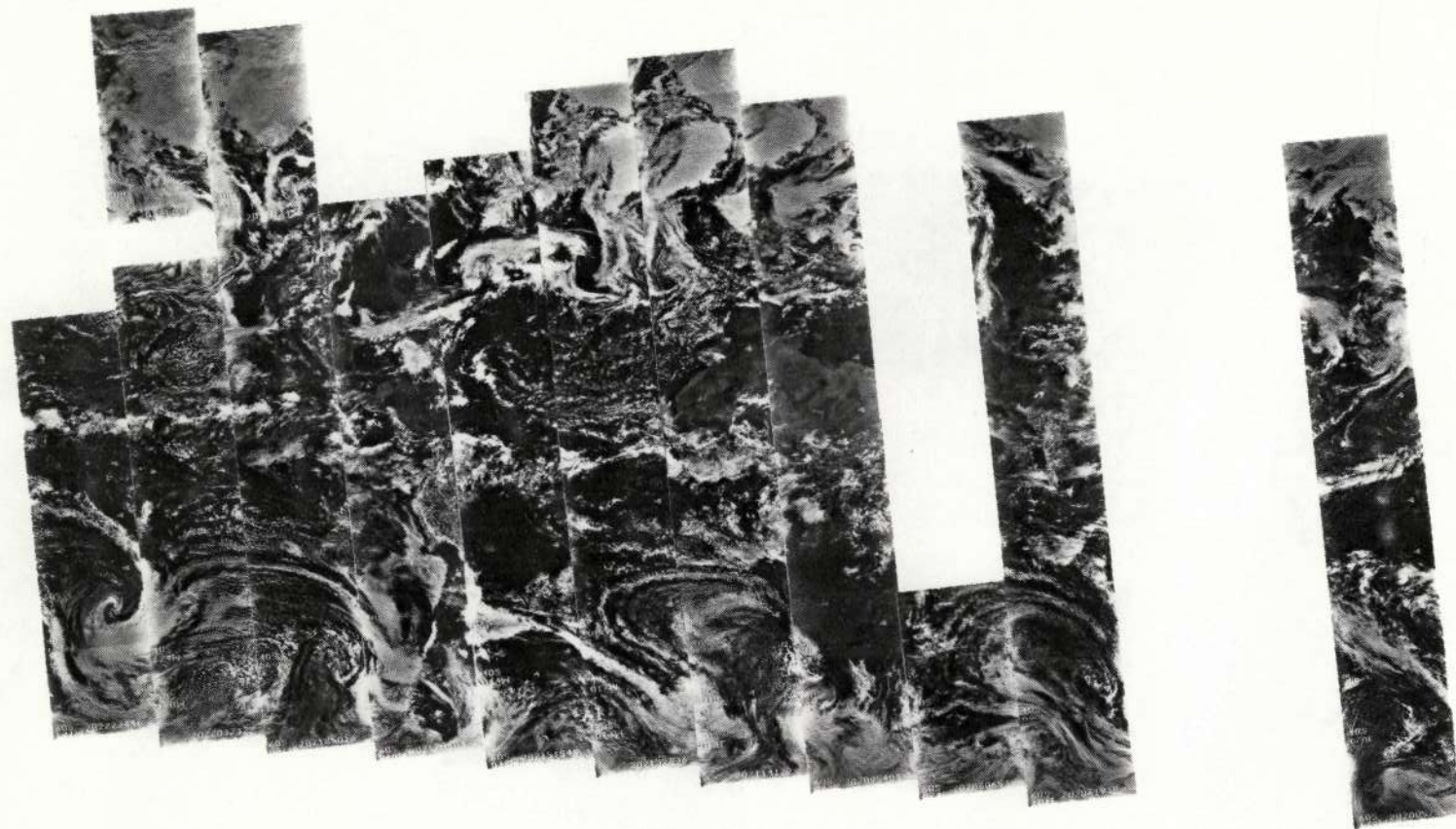
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20 JULY 1970

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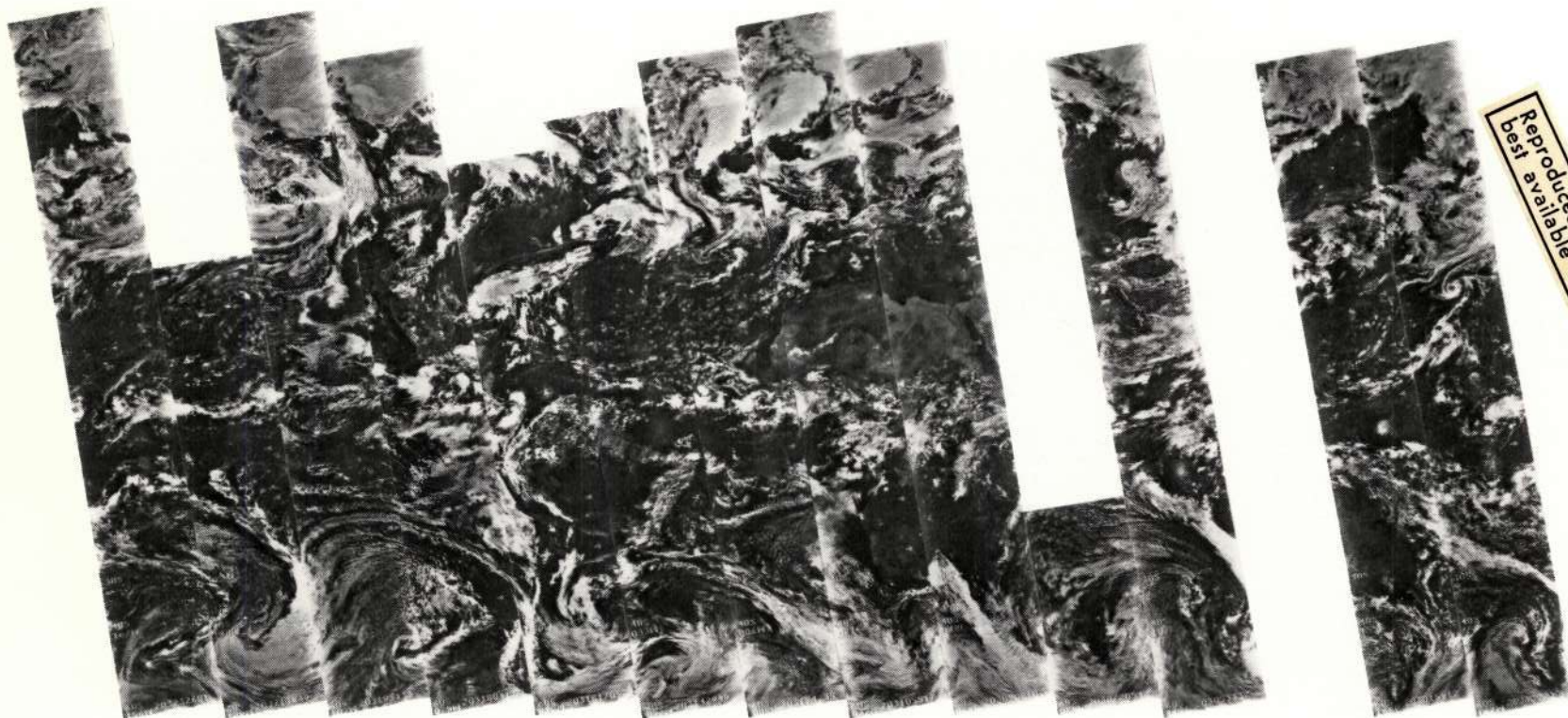


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21 JULY 1970

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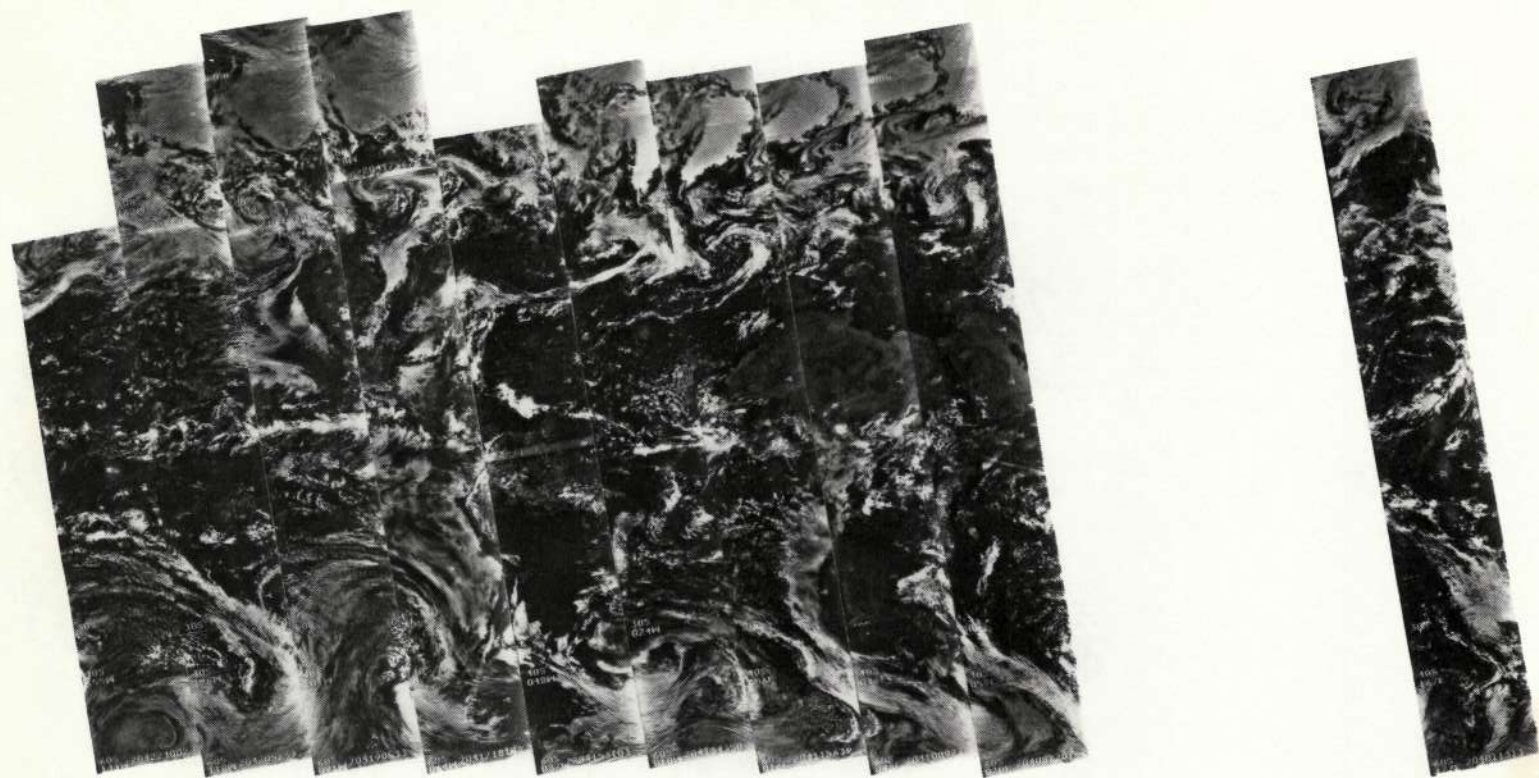


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22 JULY 1970

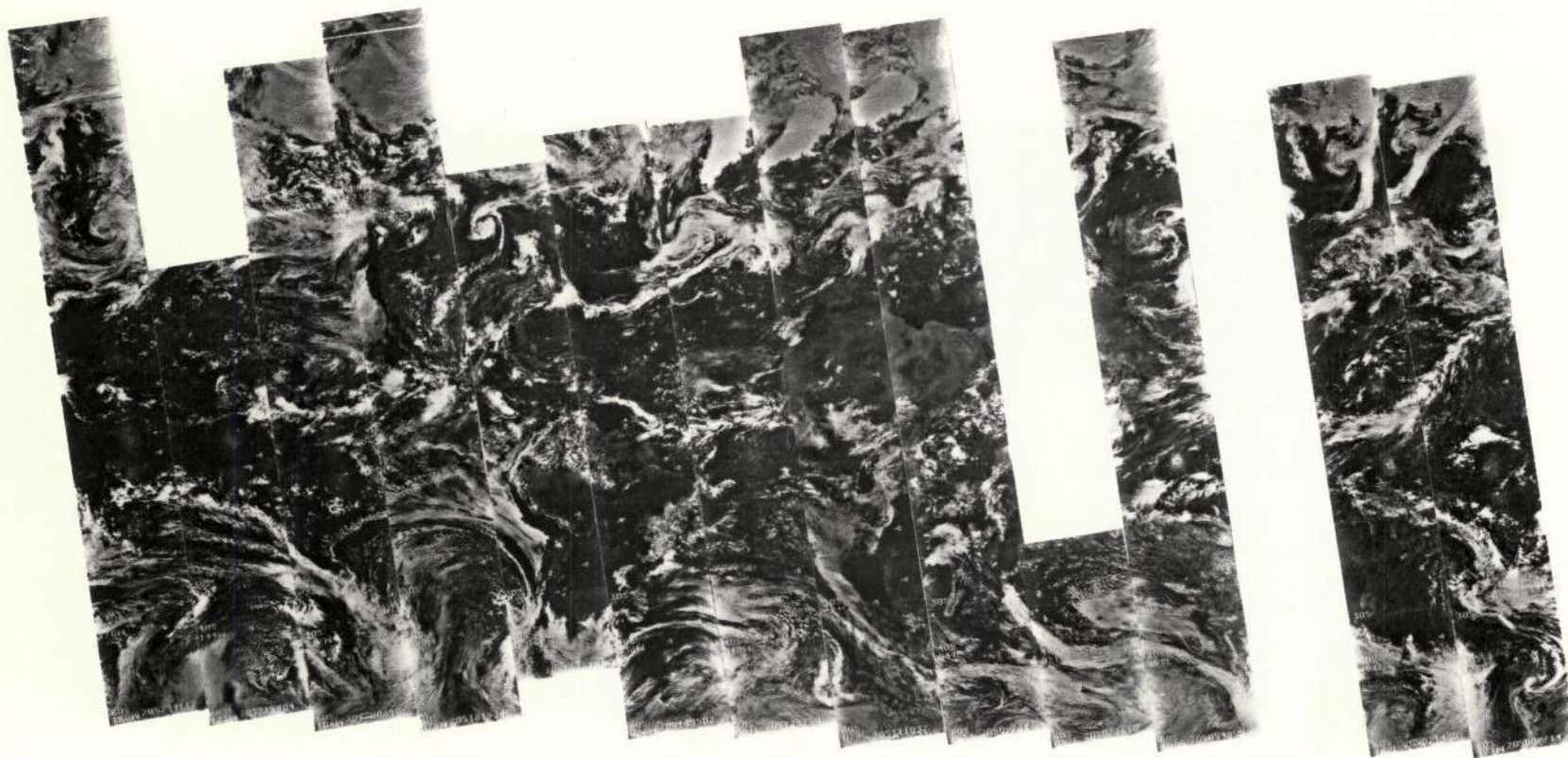


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23 JULY 1970

3-25

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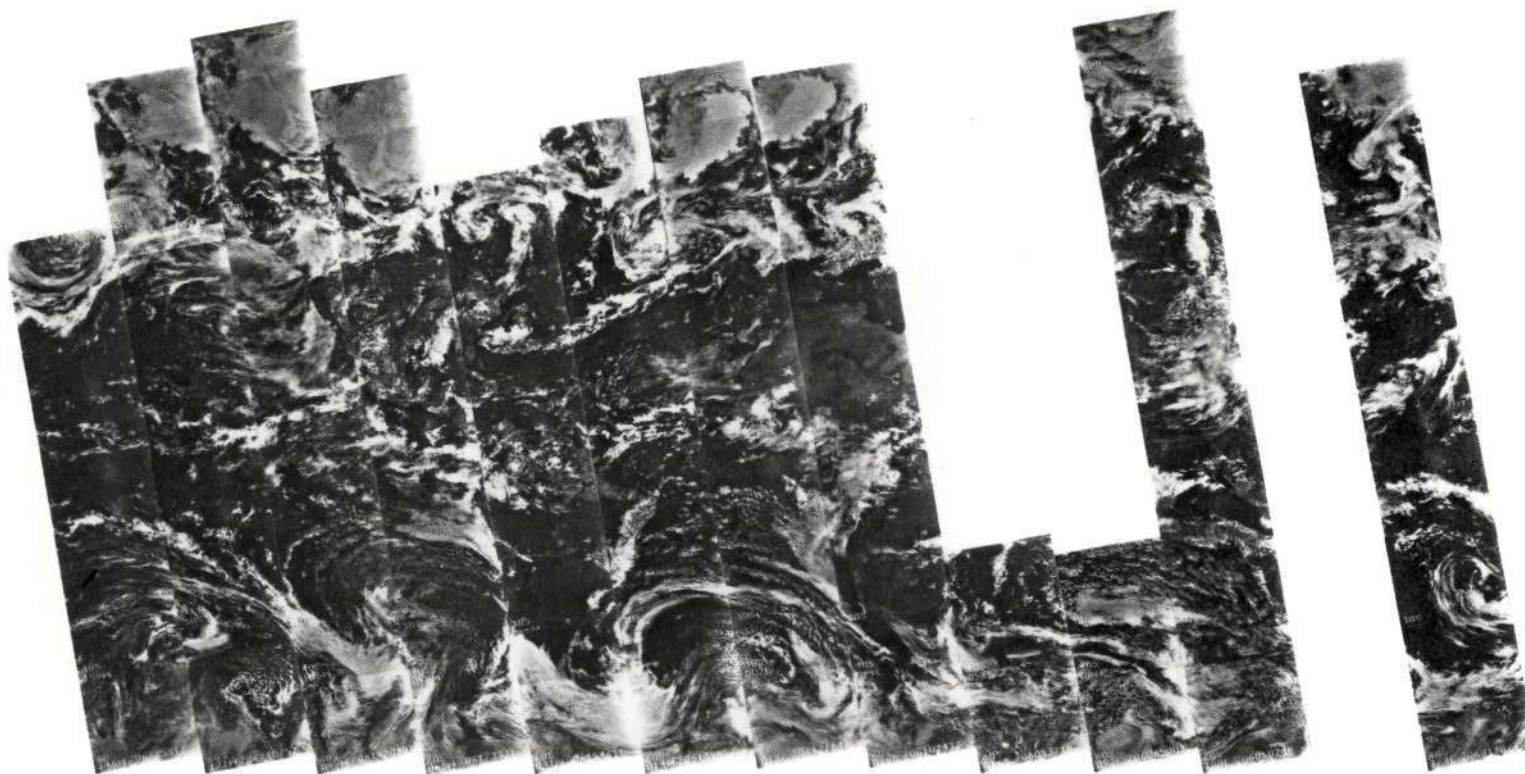


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24 JULY 1970

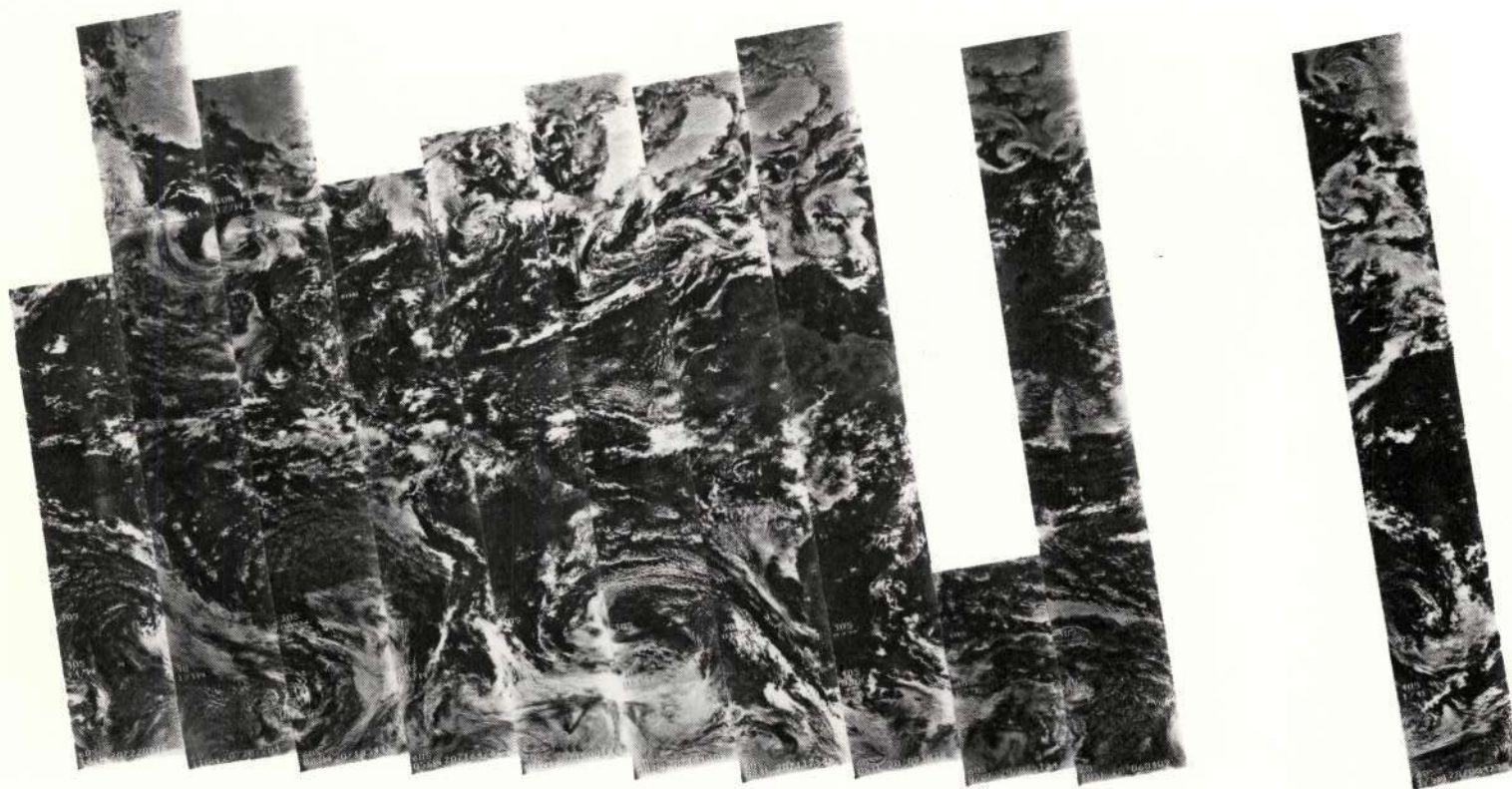
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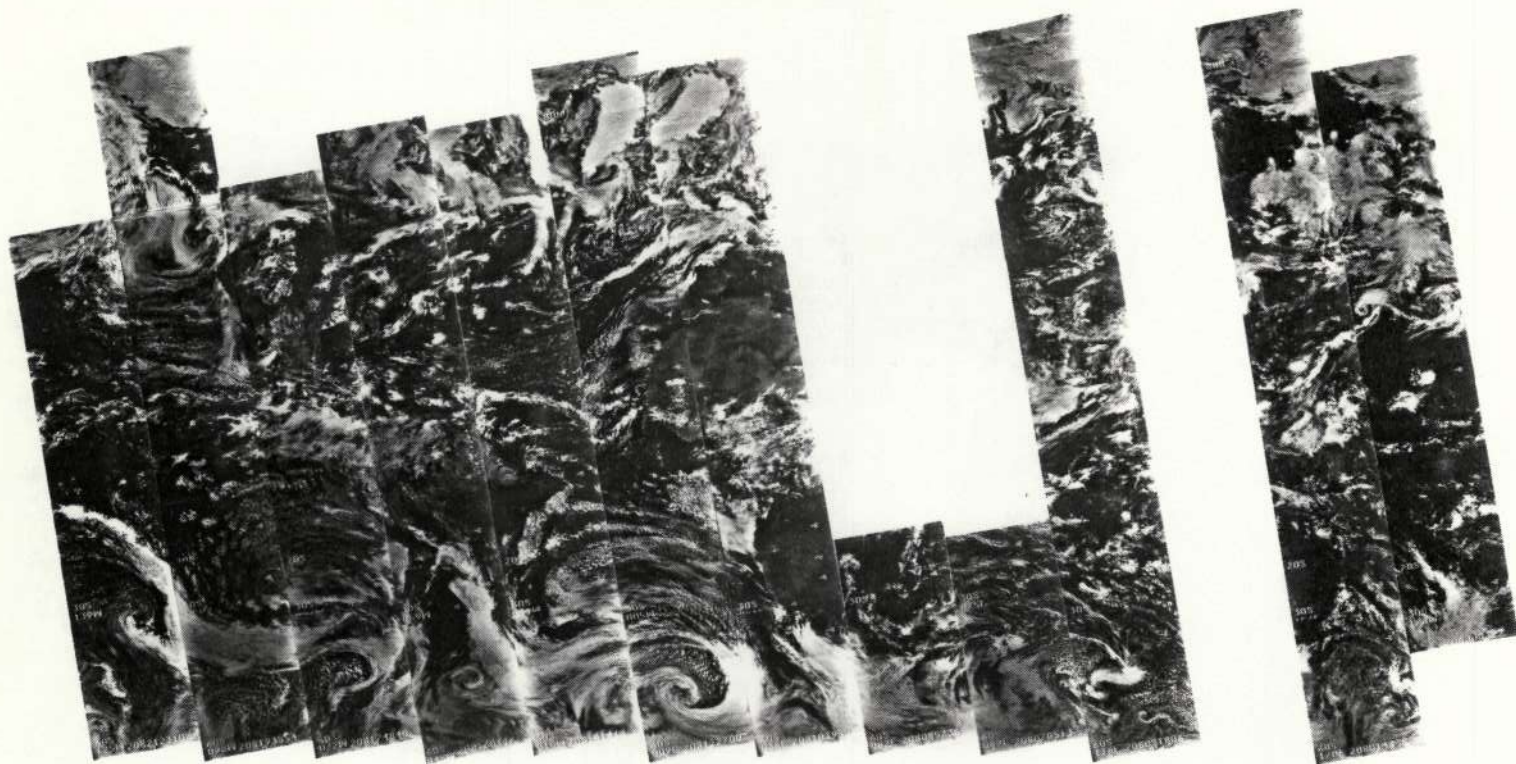
25 JULY 1970



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26 JULY 1970

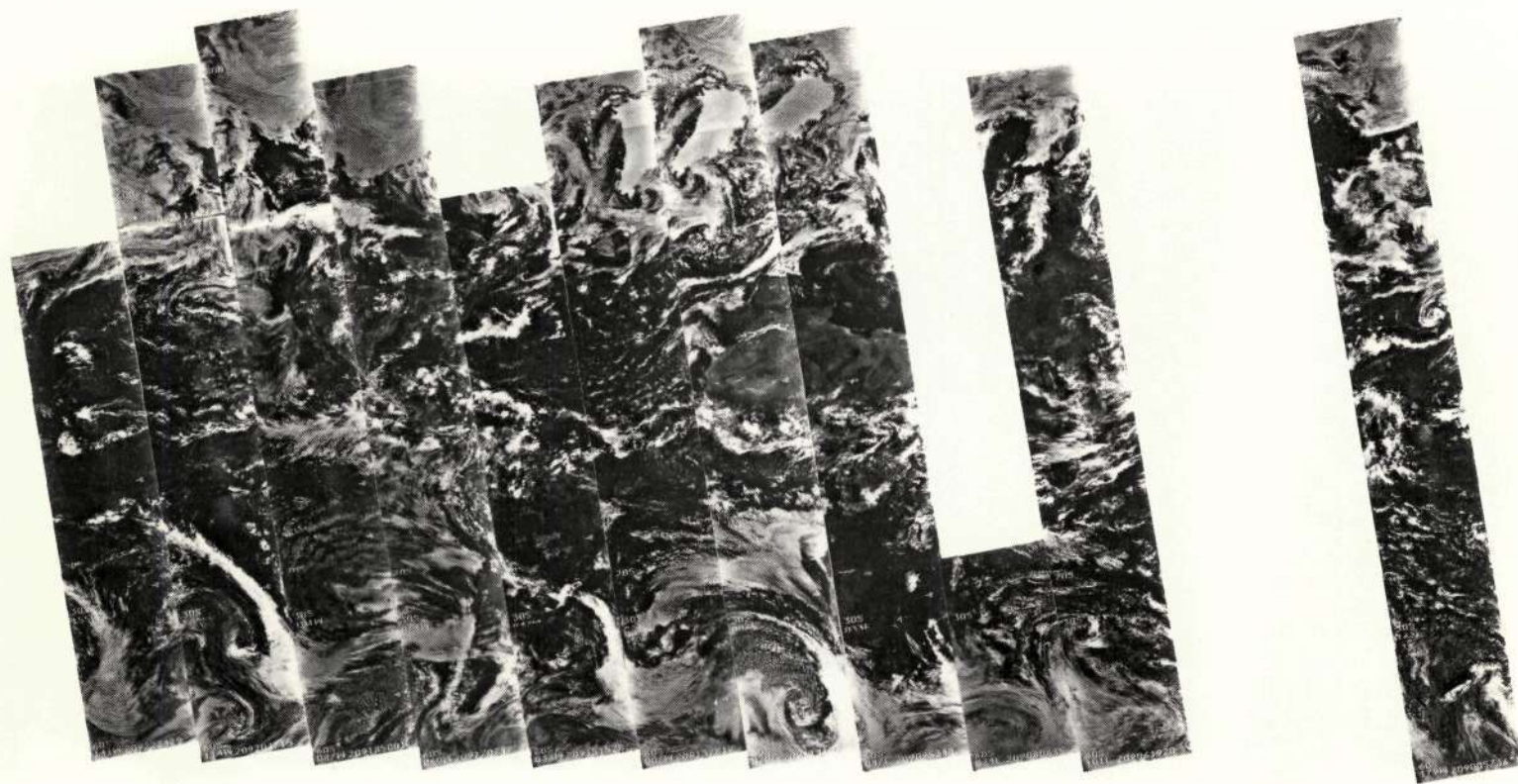
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1486 1485 1484 1483 1482 1481 1480 1479 1478 1477 1476 1475 1474 1473

27 JULY 1970



1499 1498 1497 1496 1495 1494 1493 1492 1491 1490 1489 1488 1487

28 JULY 1970

3-30

1



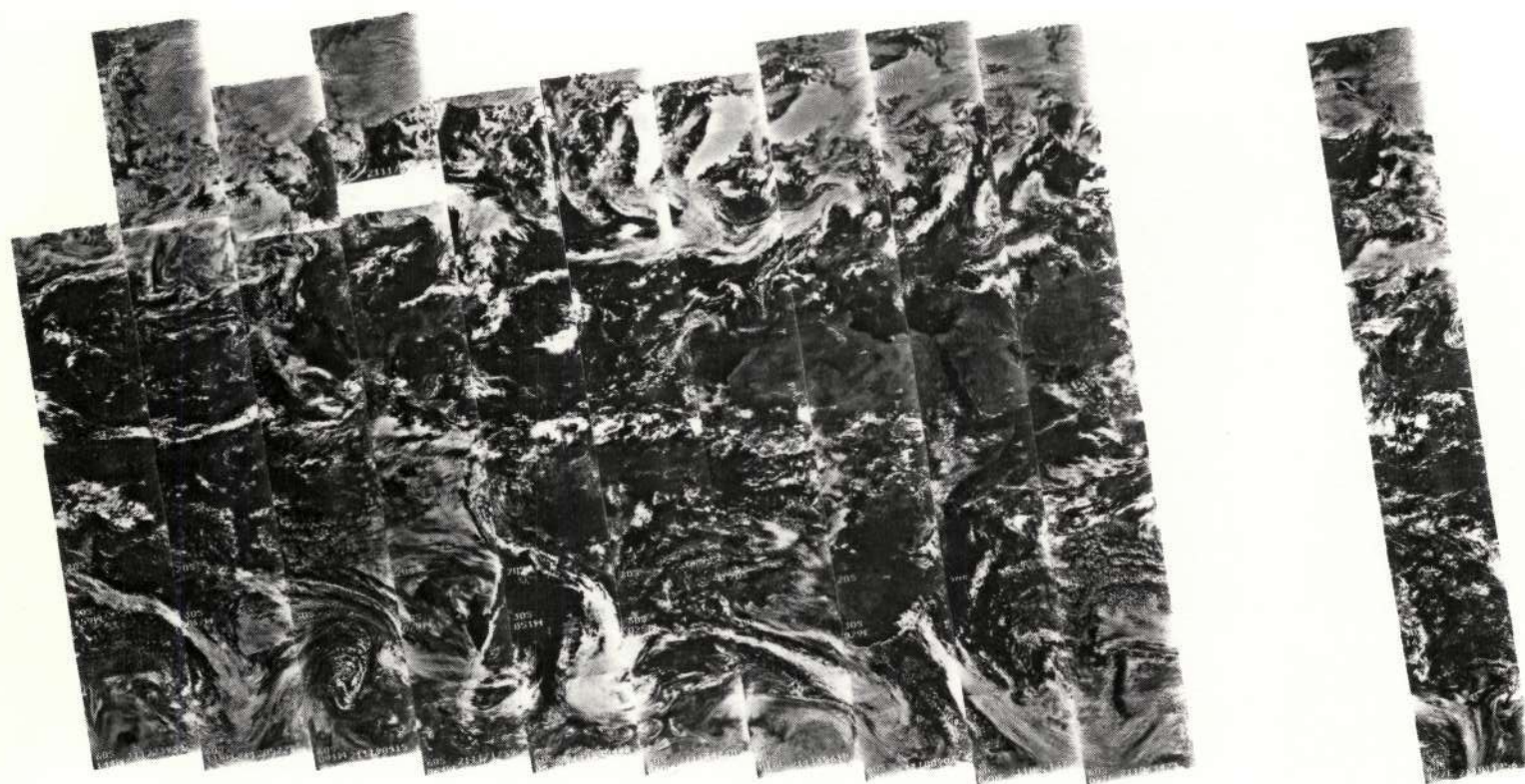
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29 JULY 1970

3-31

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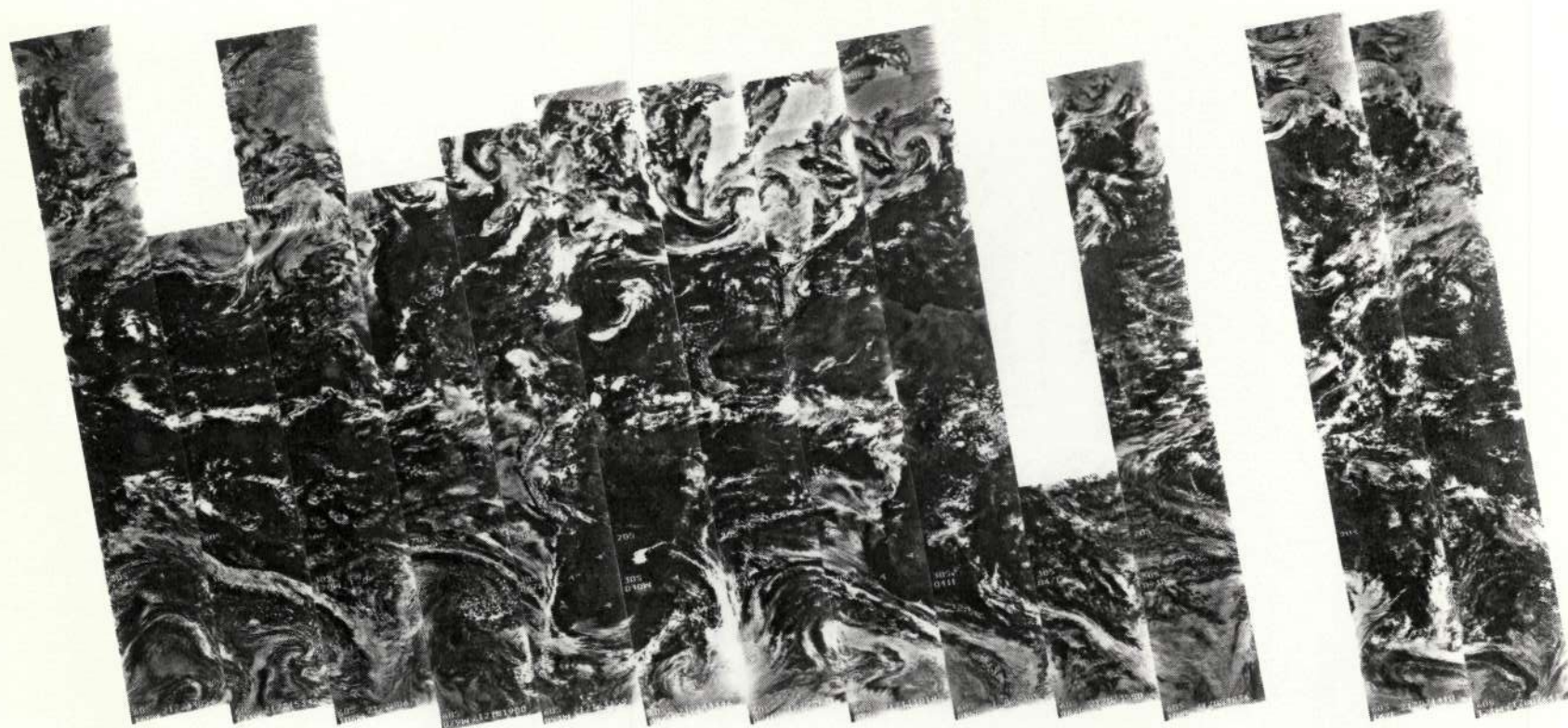


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30 JULY 1970

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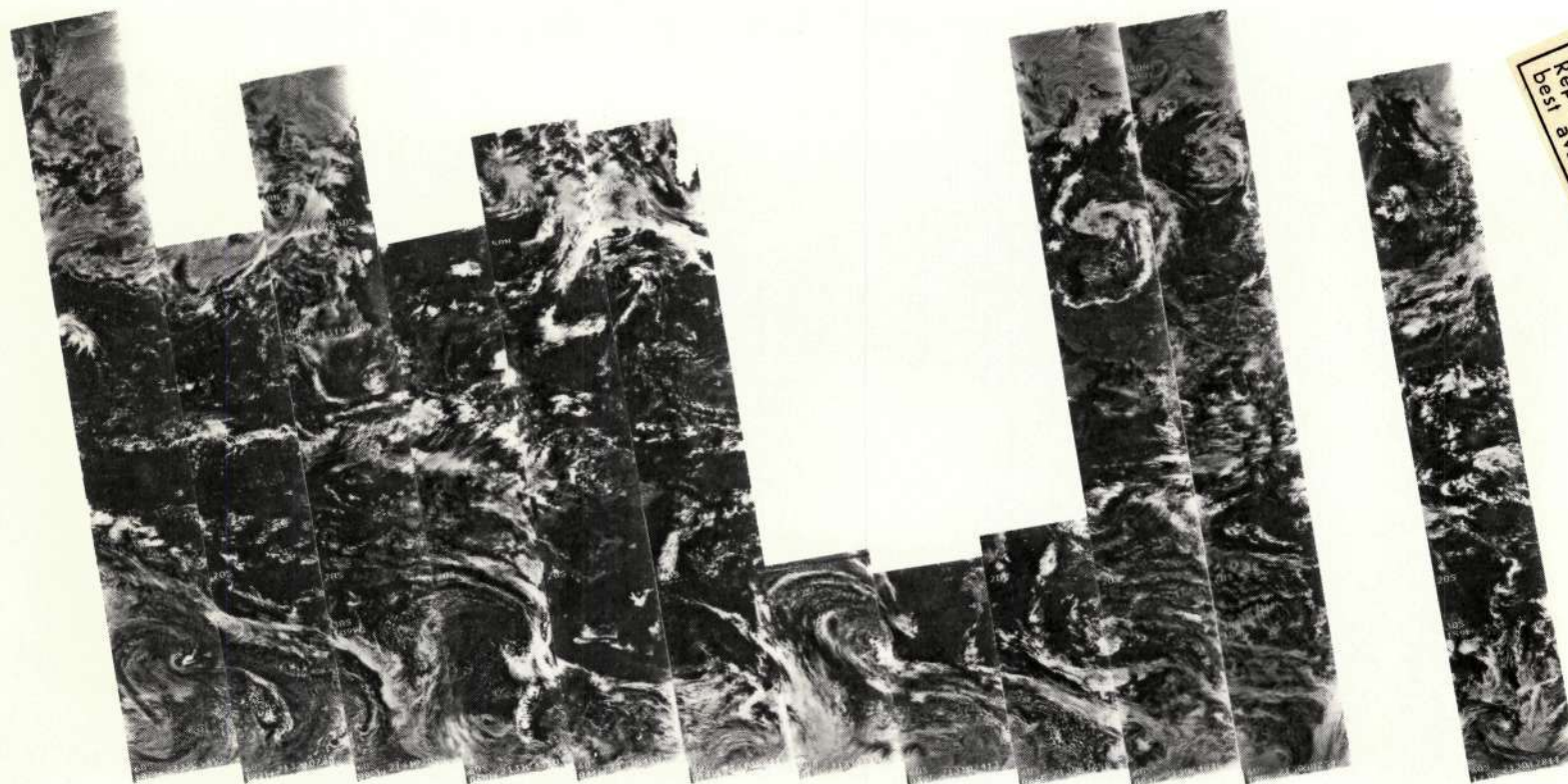
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31 JULY 1970

3-33

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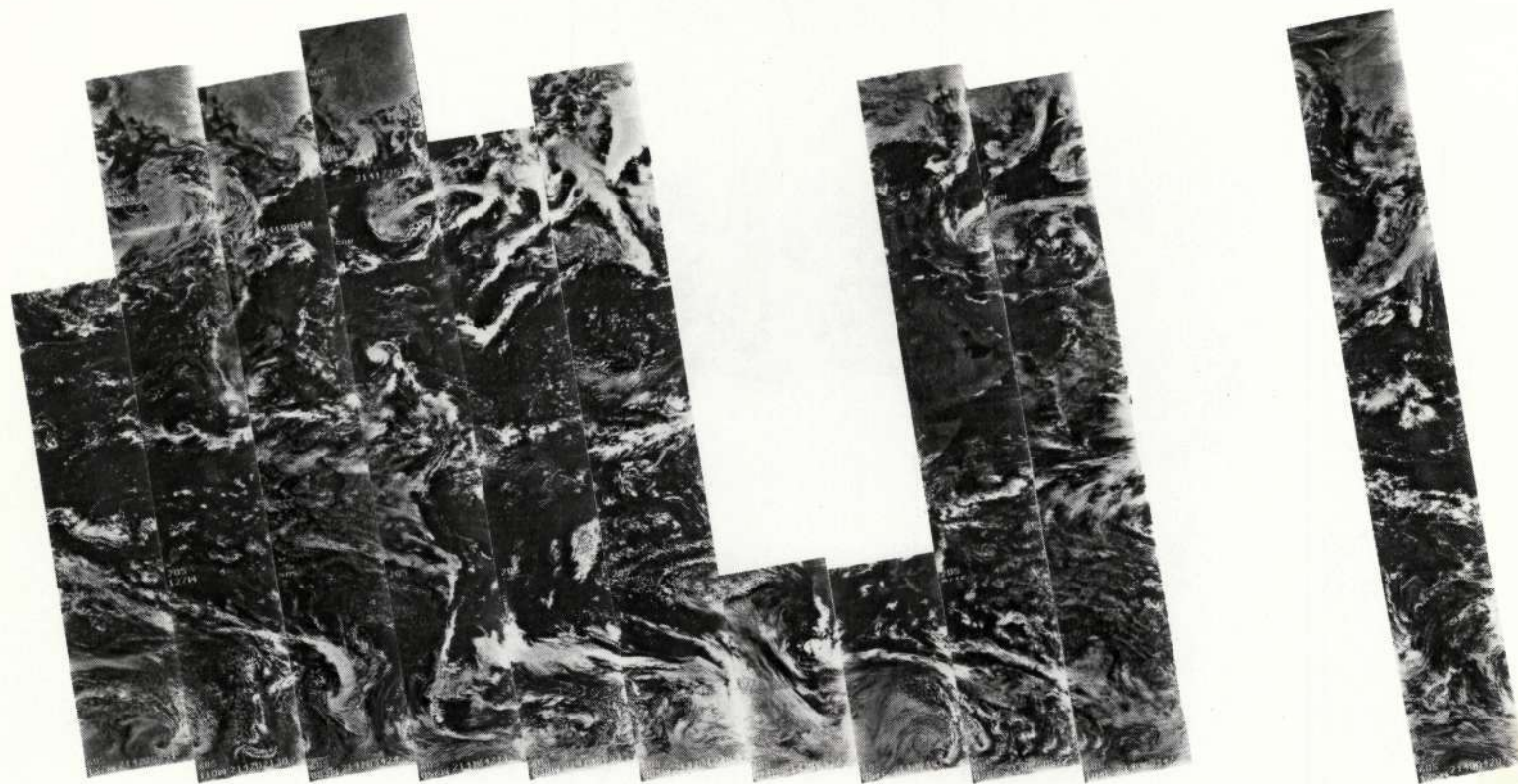
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1 AUGUST 1970

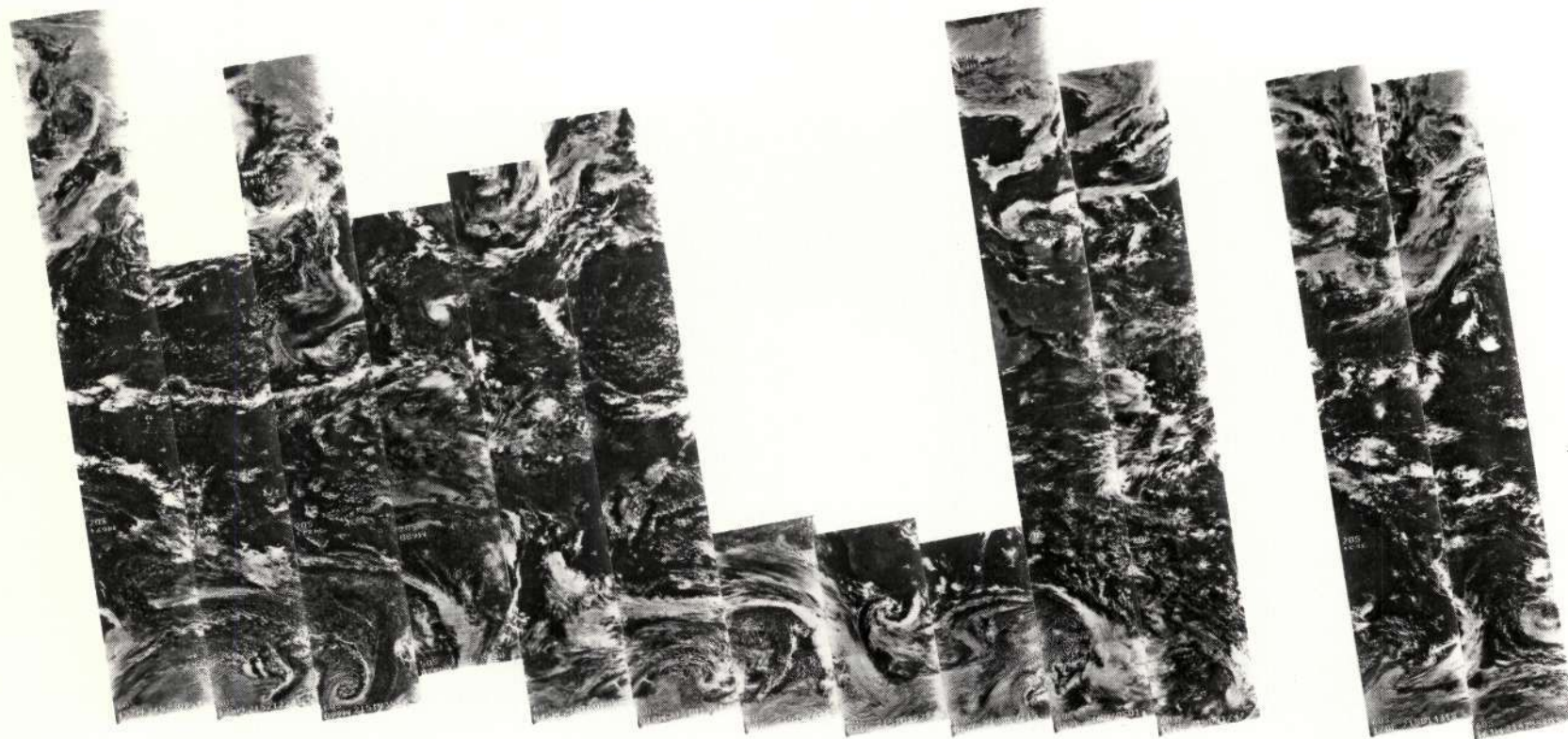


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2 AUGUST 1970

3-35

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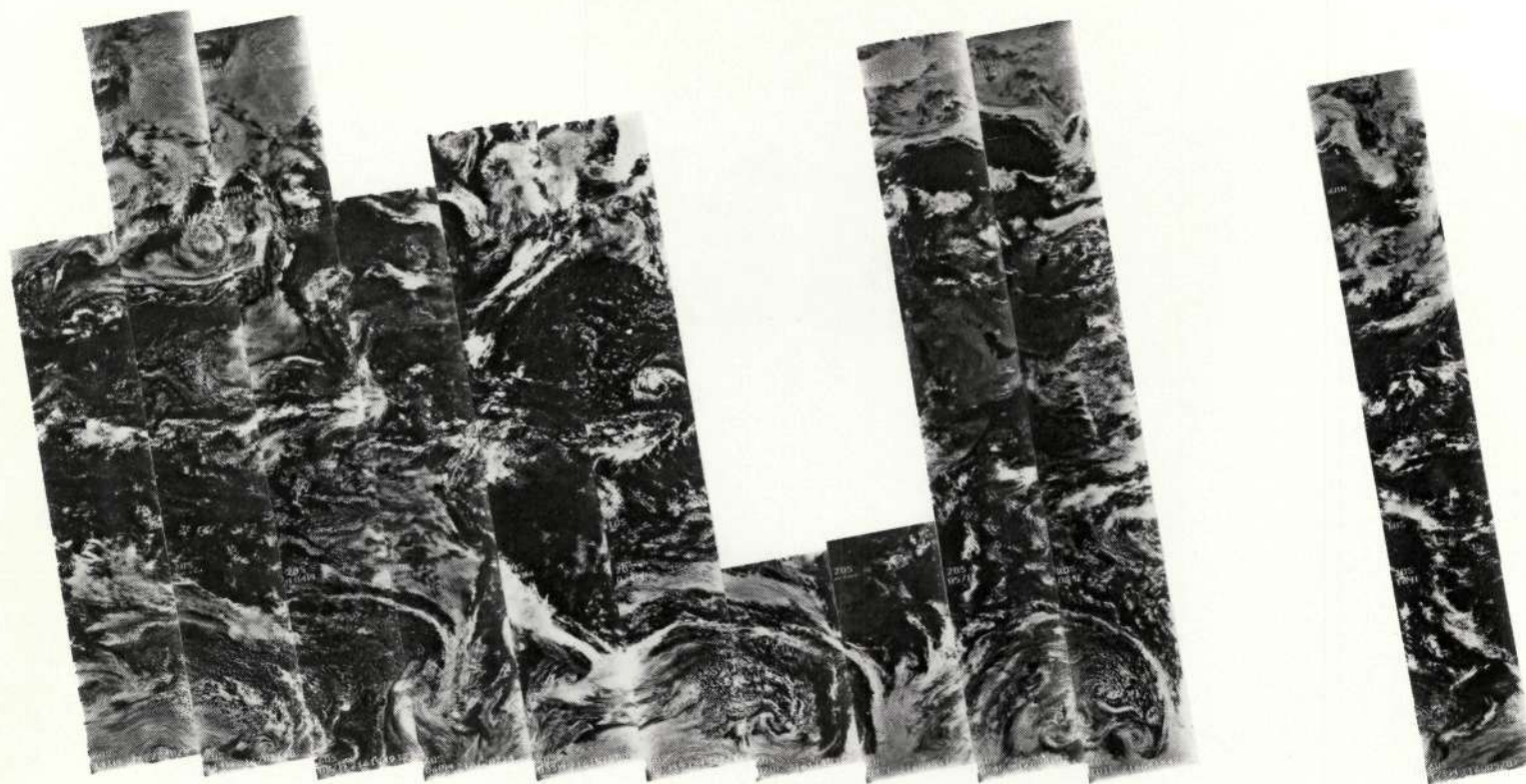
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3 AUGUST 1970

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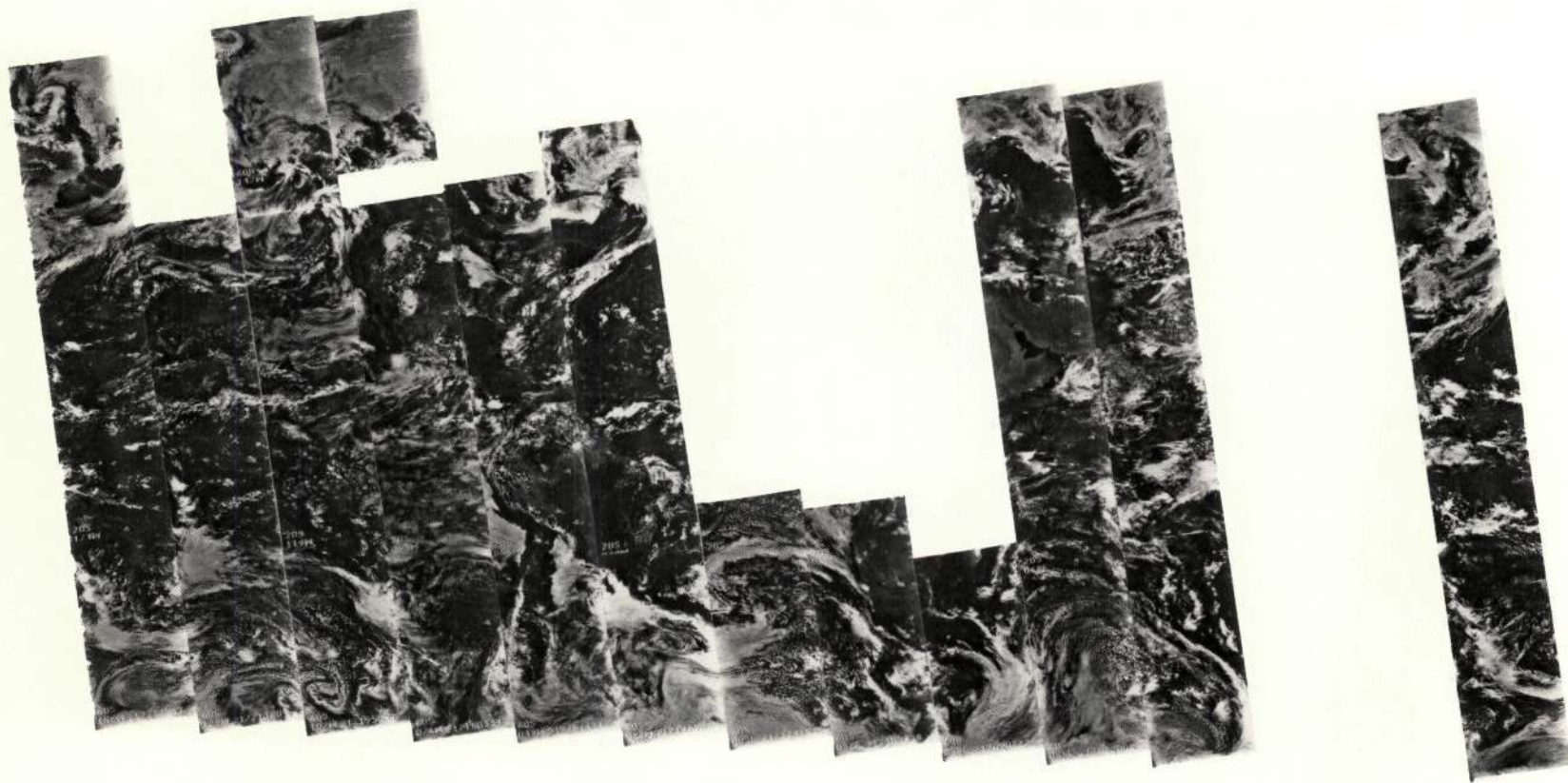
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4 AUGUST 1970

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5 AUGUST 1970

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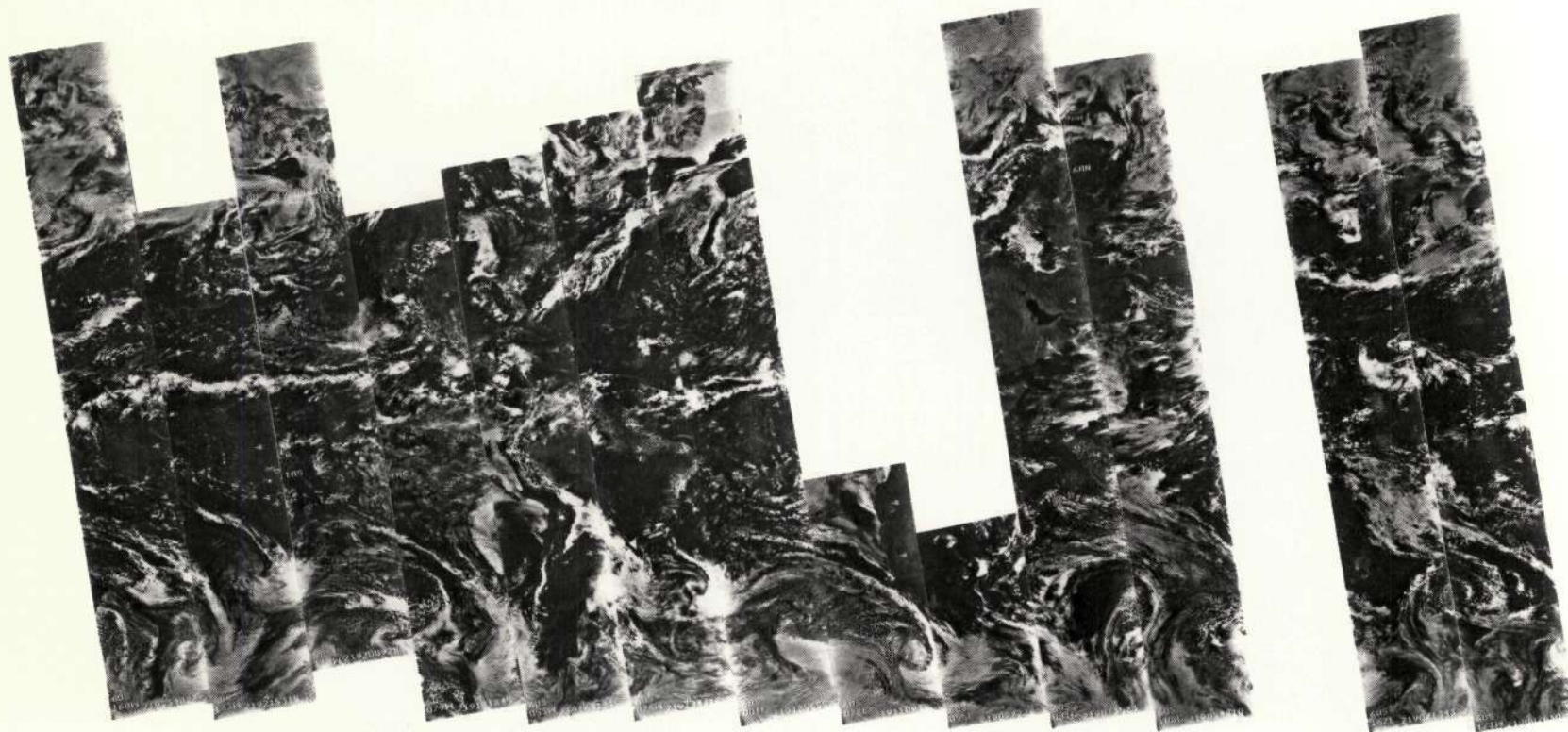


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6 AUGUST 1970

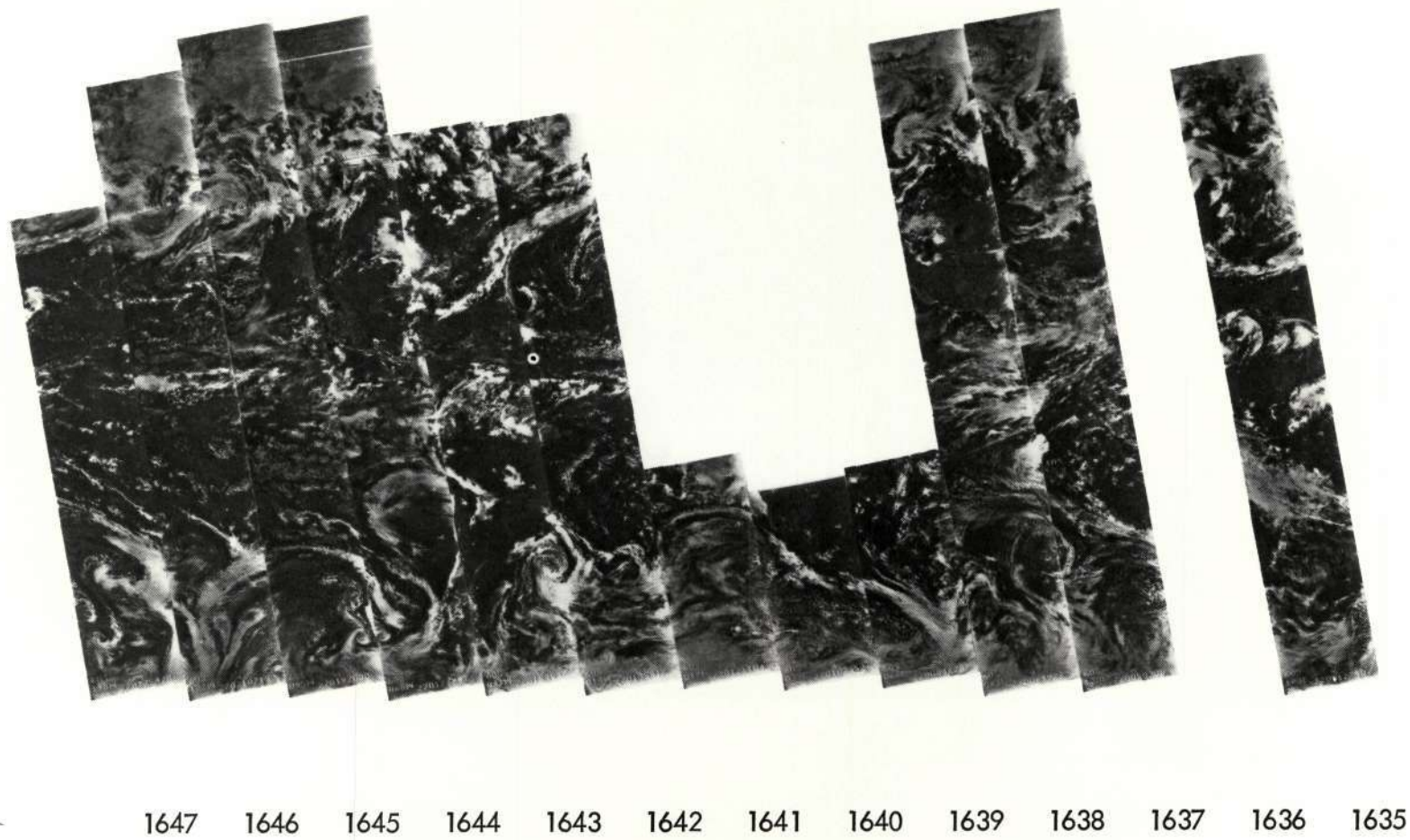
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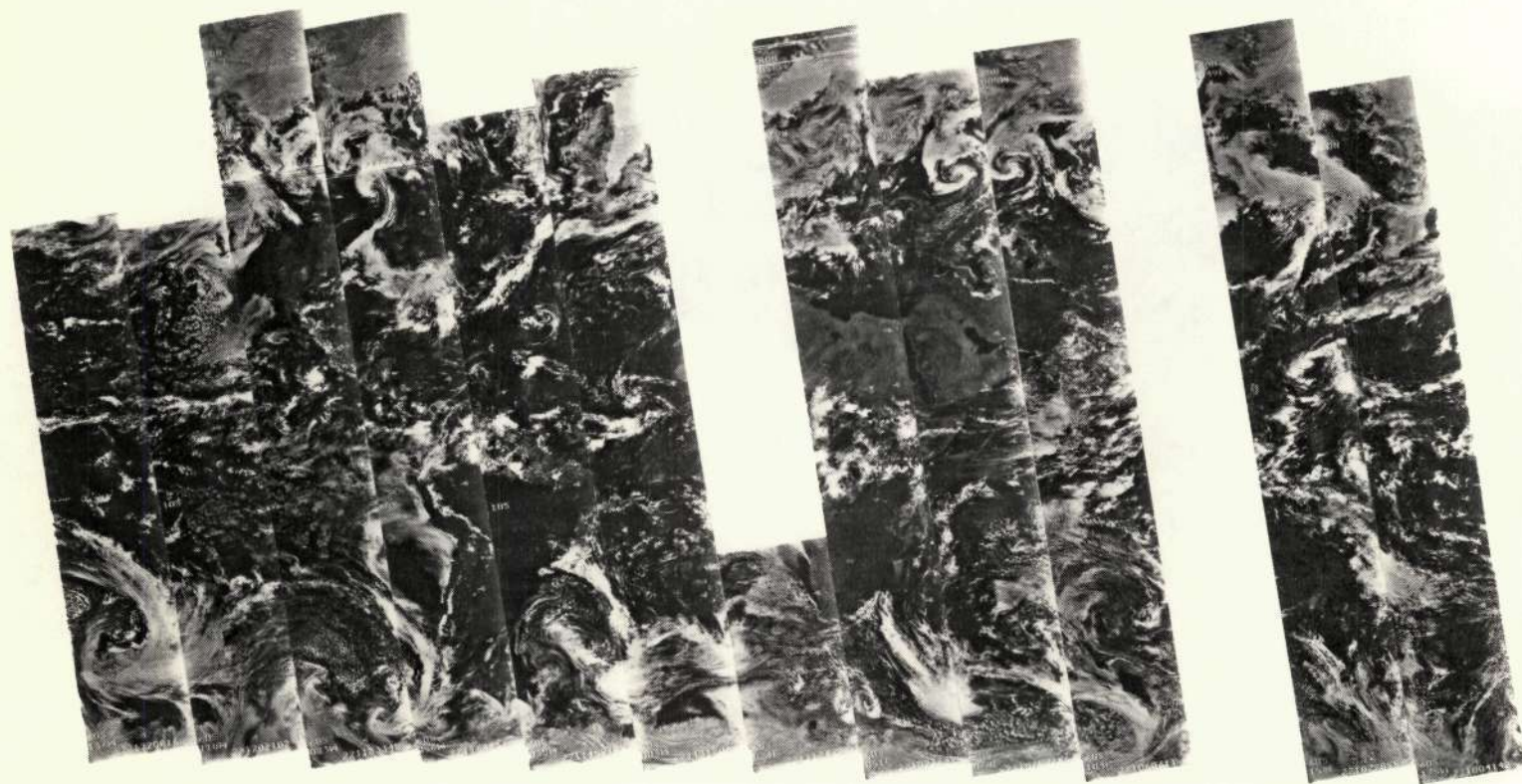
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7 AUGUST 1970



8 AUGUST 1970



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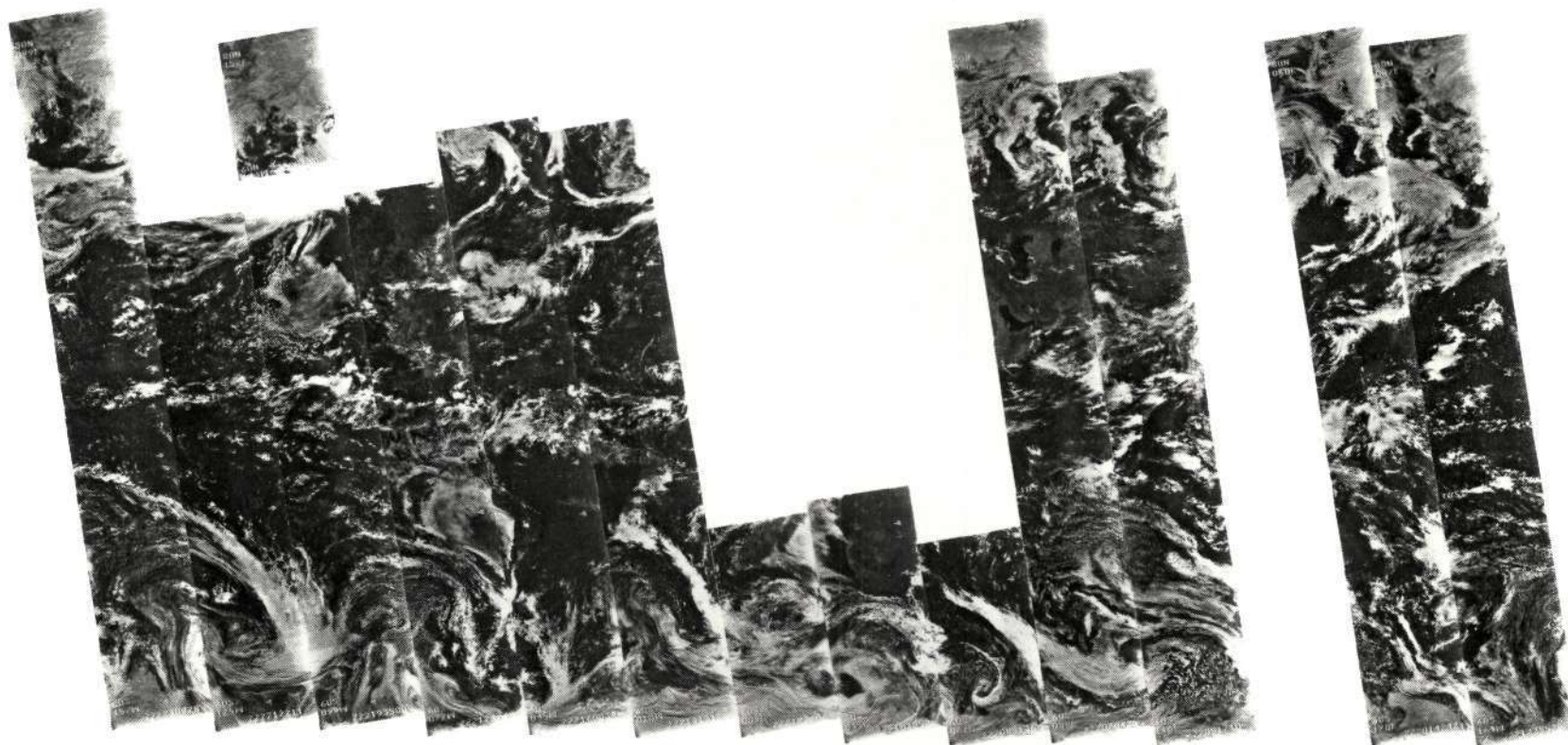
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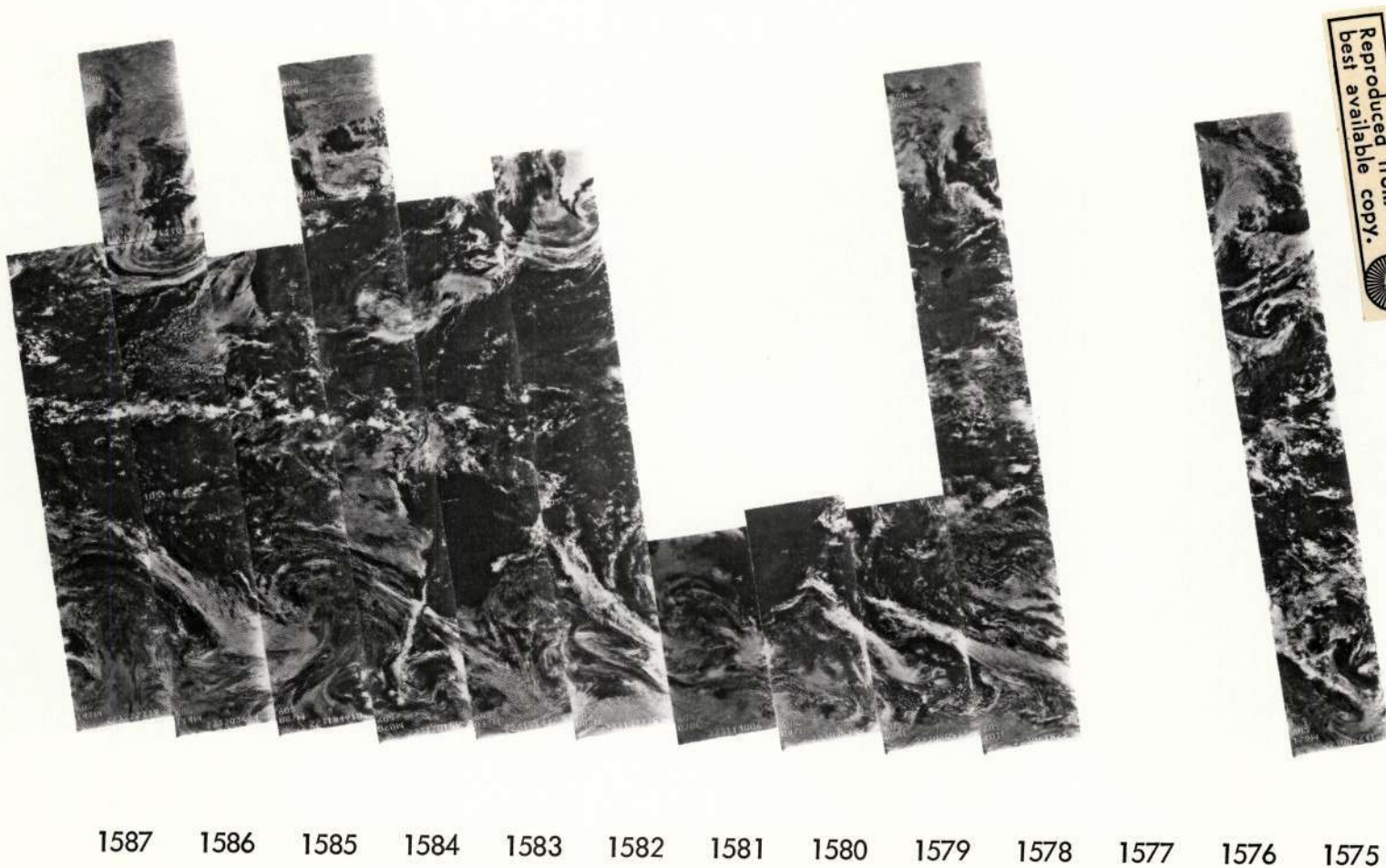
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10 AUGUST 1970



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11 AUGUST 1970

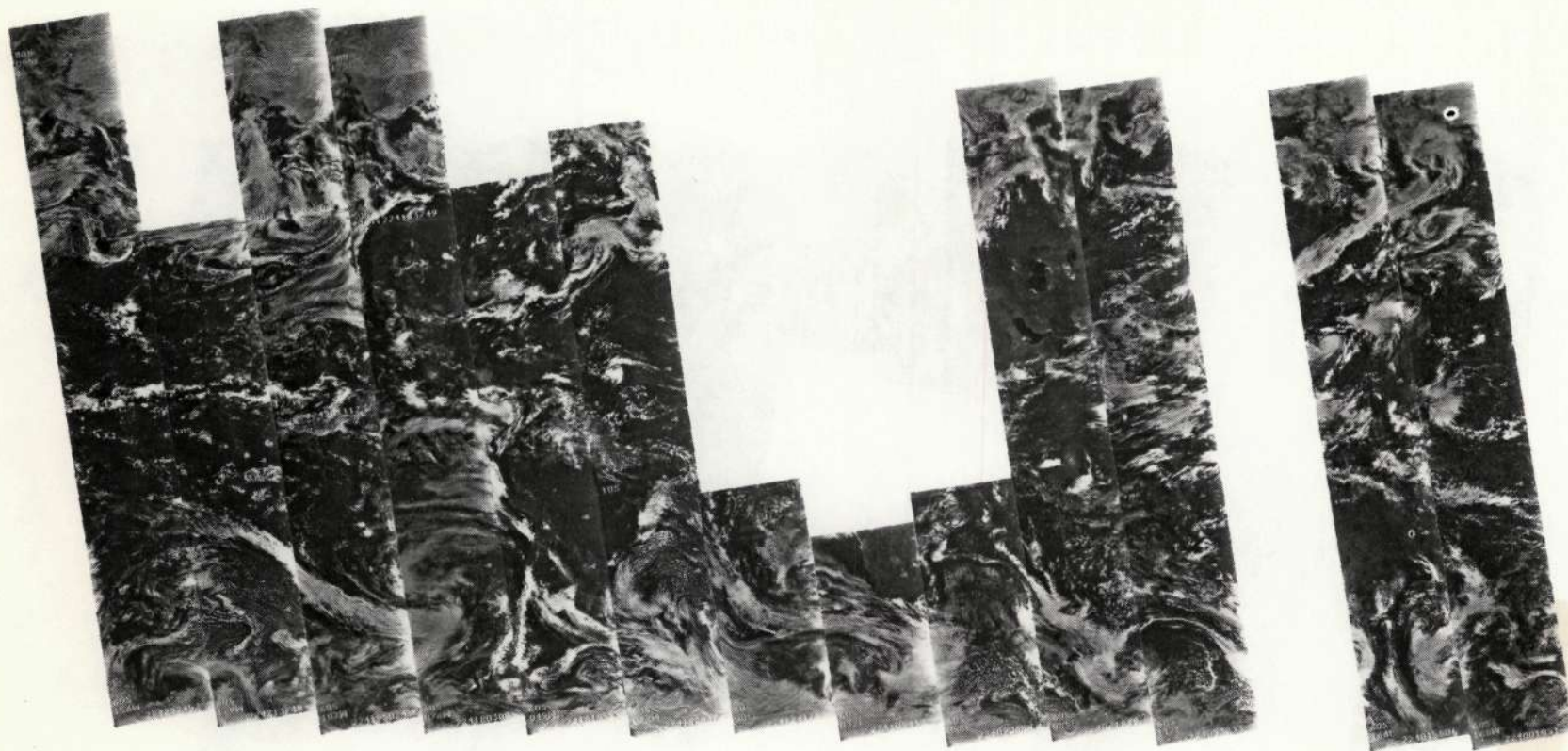
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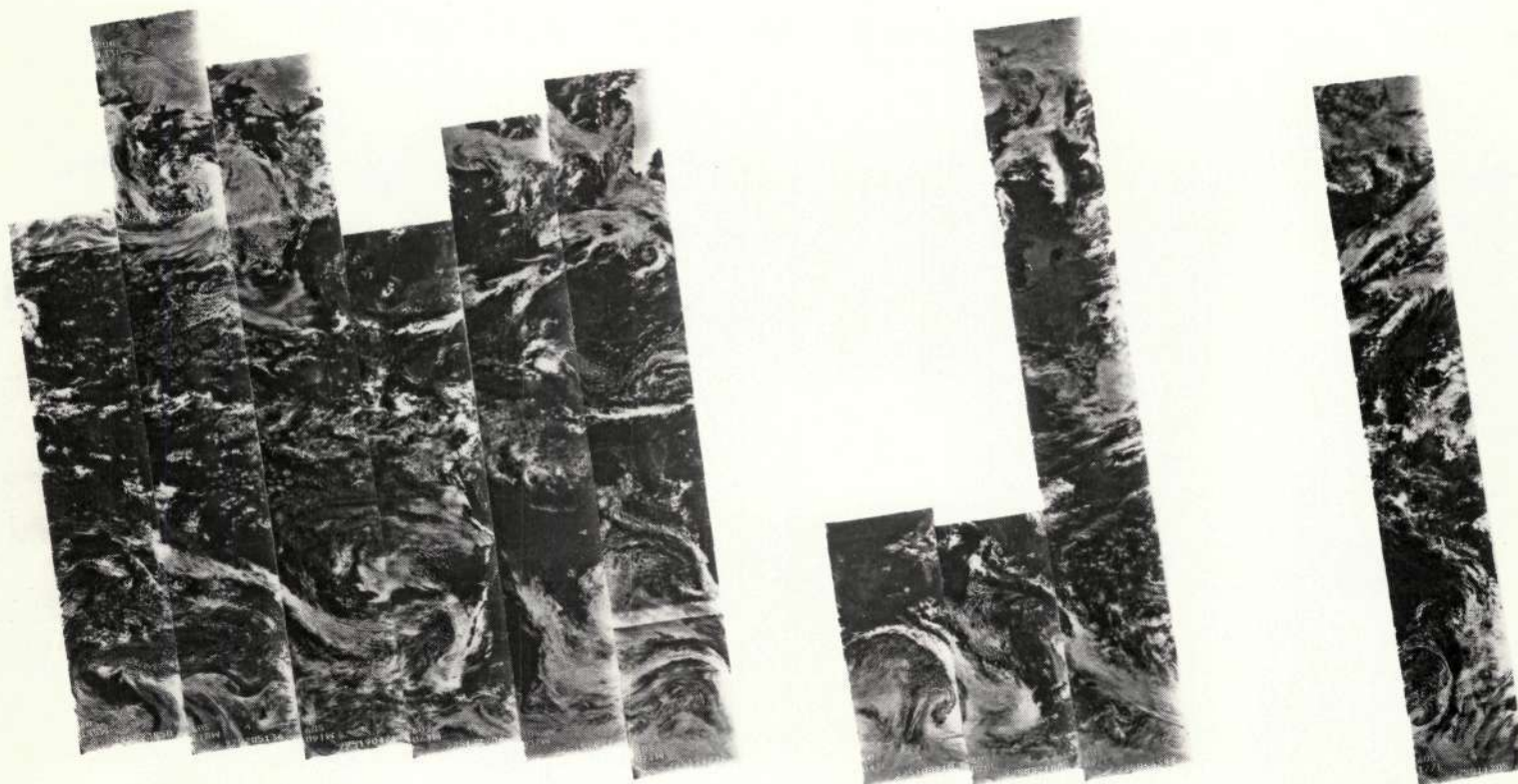
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12 AUGUST 1970



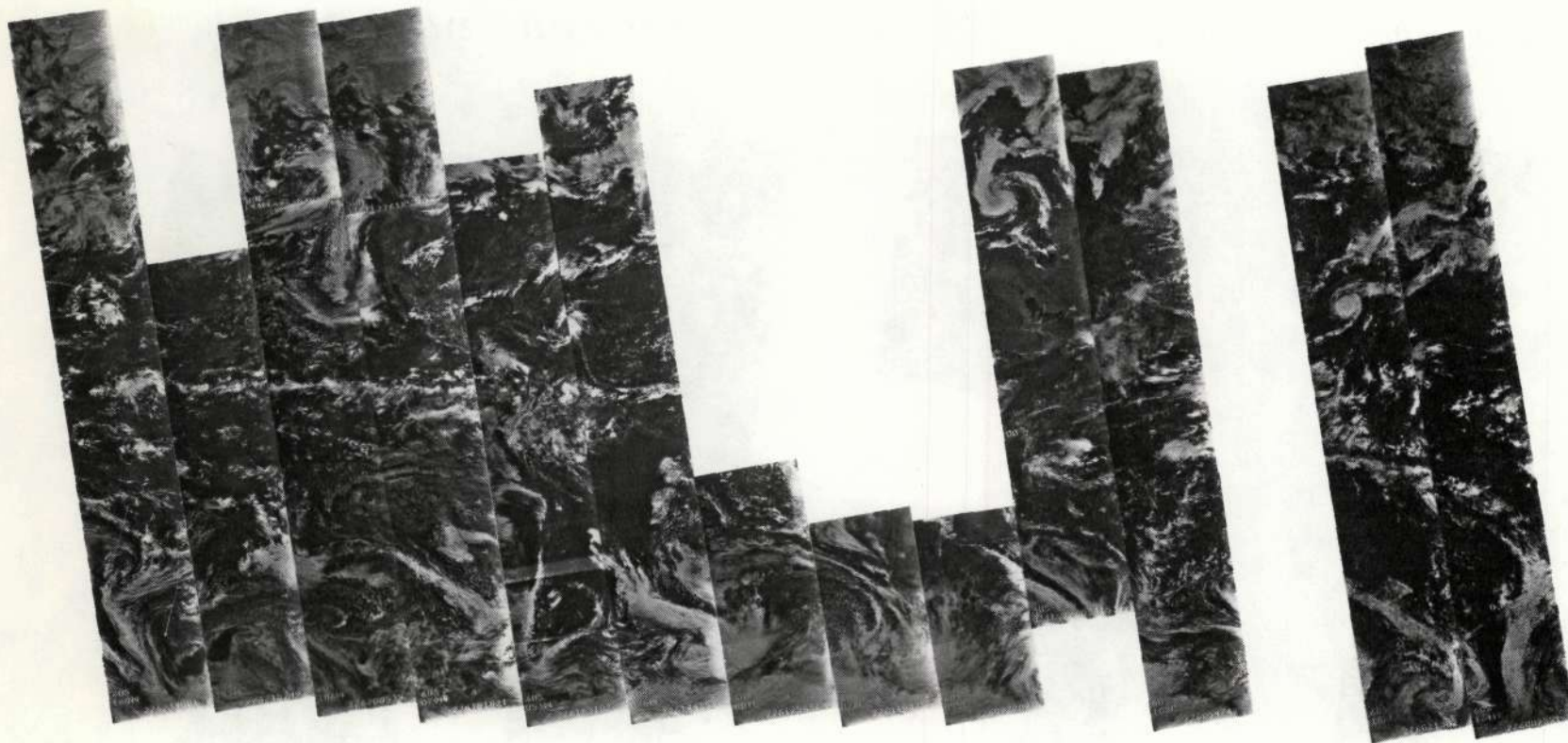


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13 AUGUST 1970

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14 AUGUST 1970

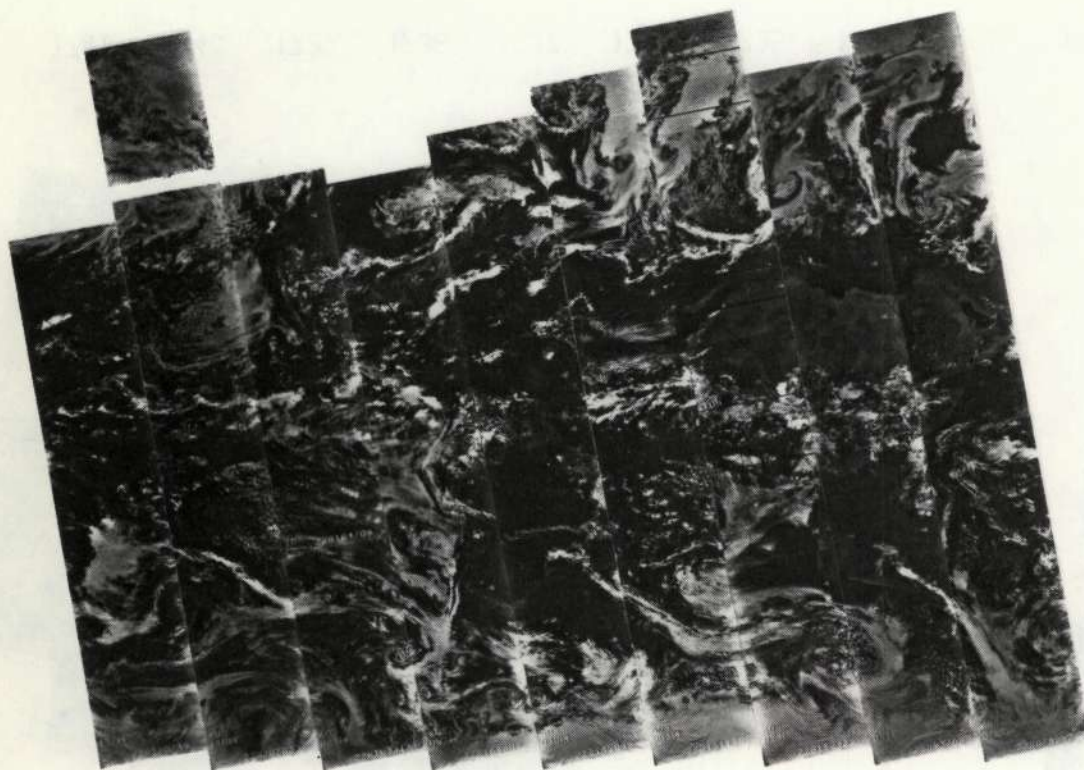
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15 AUGUST 1970

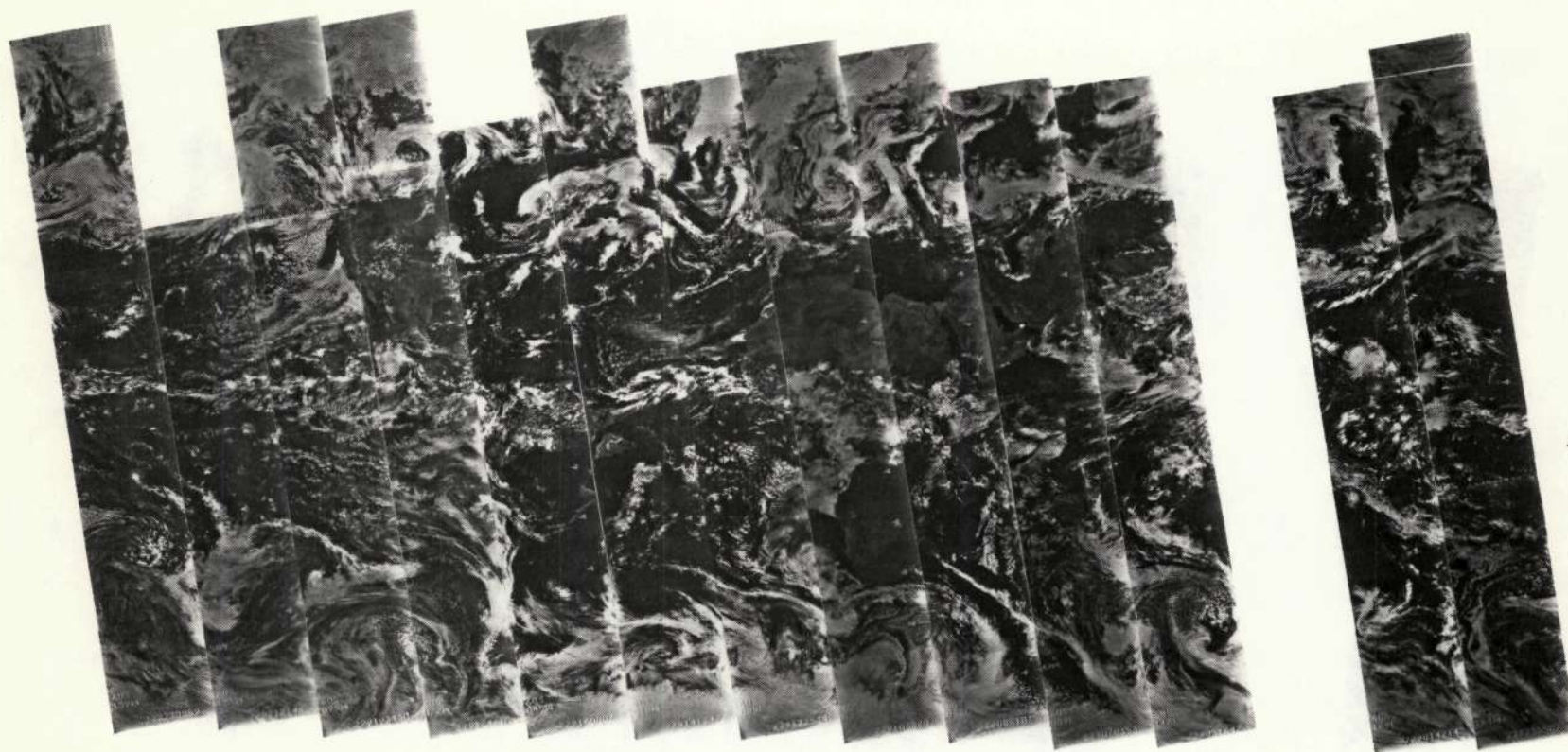
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1754 1753 1752 1751 1750 1749 1748 1747 1746 1745 1744 1743 1742

16 AUGUST 1970



1768 1767 1766 1765 1764 1763 1762 1761 1760 1759 1758 1757 1756 1755

17 AUGUST 1970

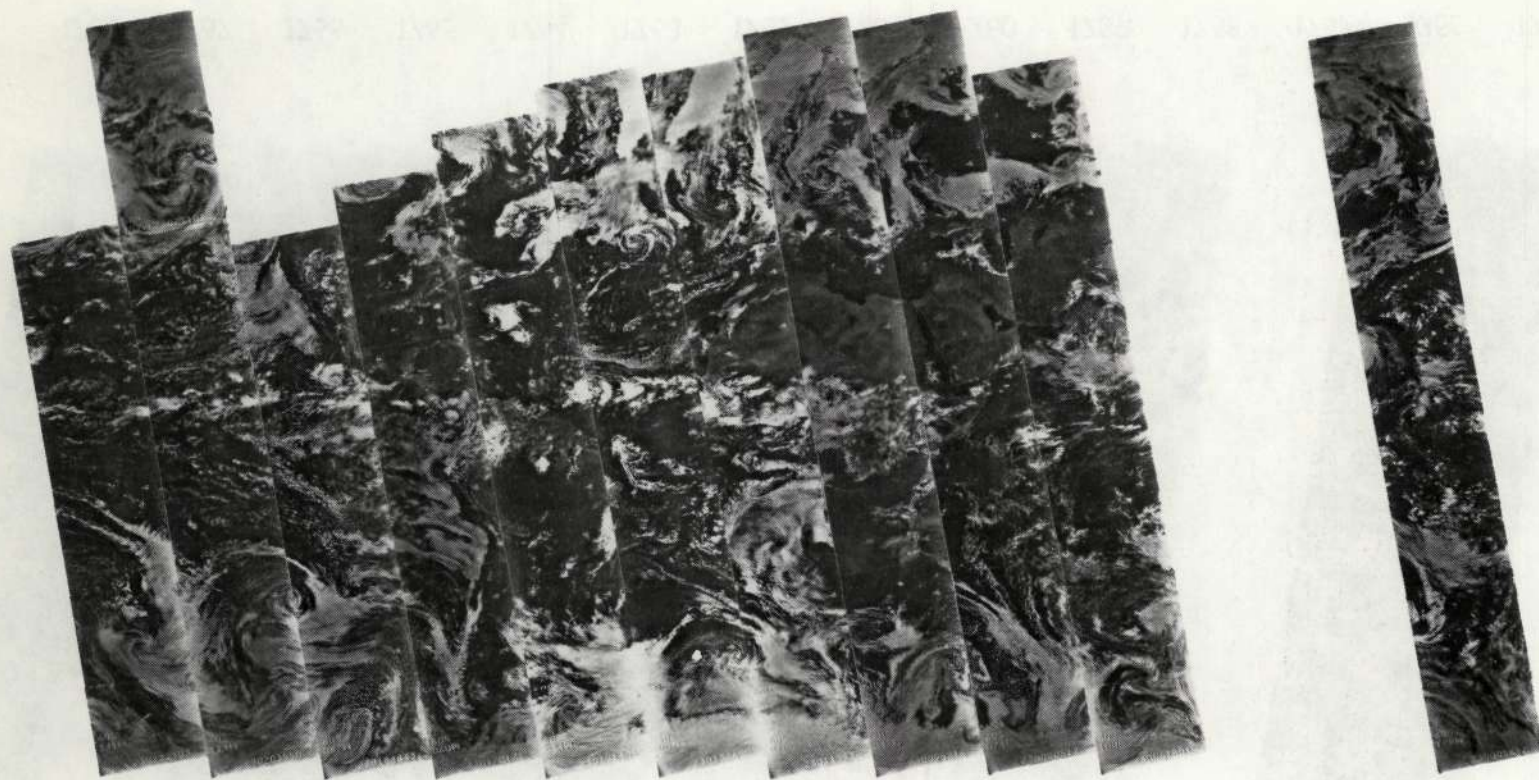
3-49

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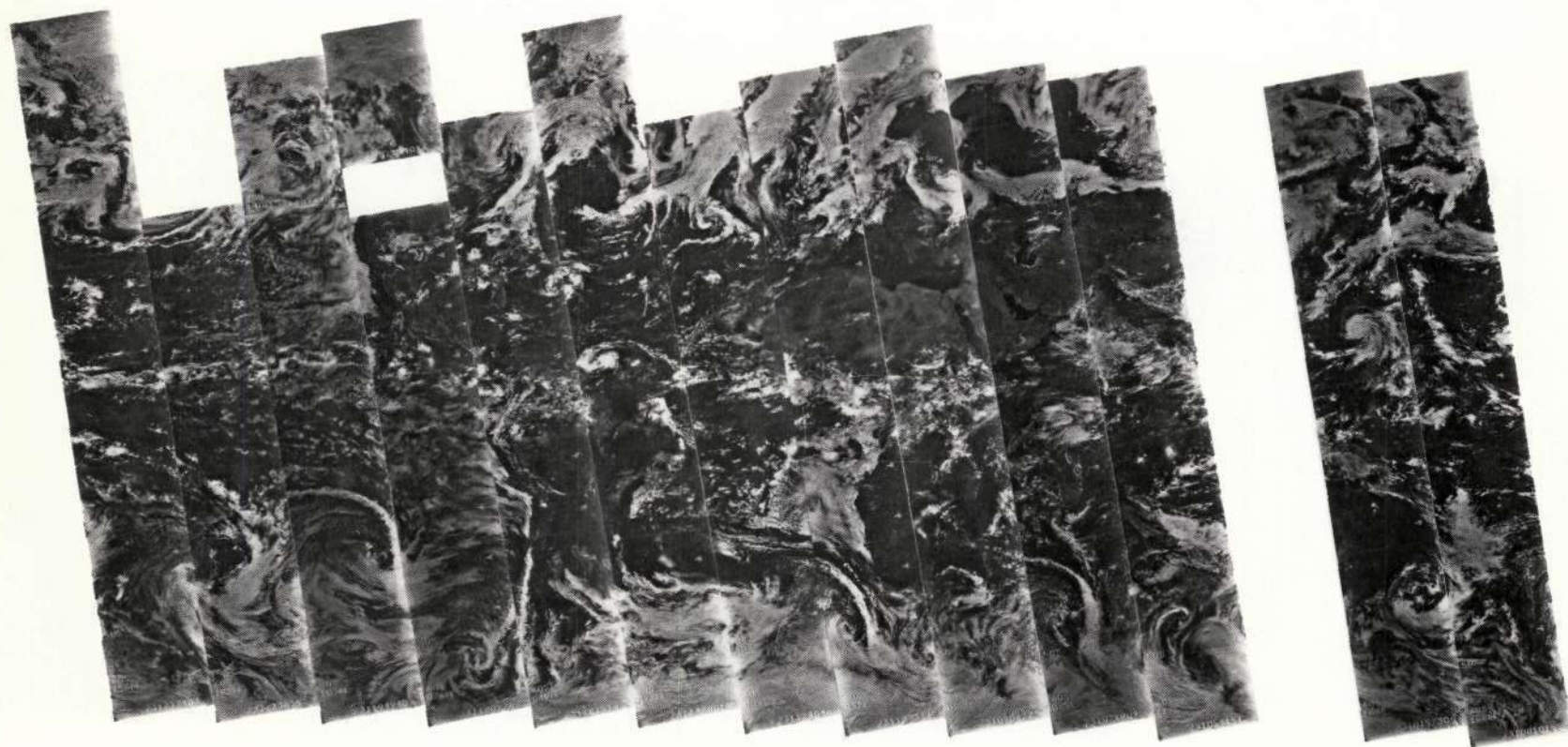
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1781 1780 1779 1778 1777 1776 1775 1774 1773 1772 1771 1770 1769

18 AUGUST 1970

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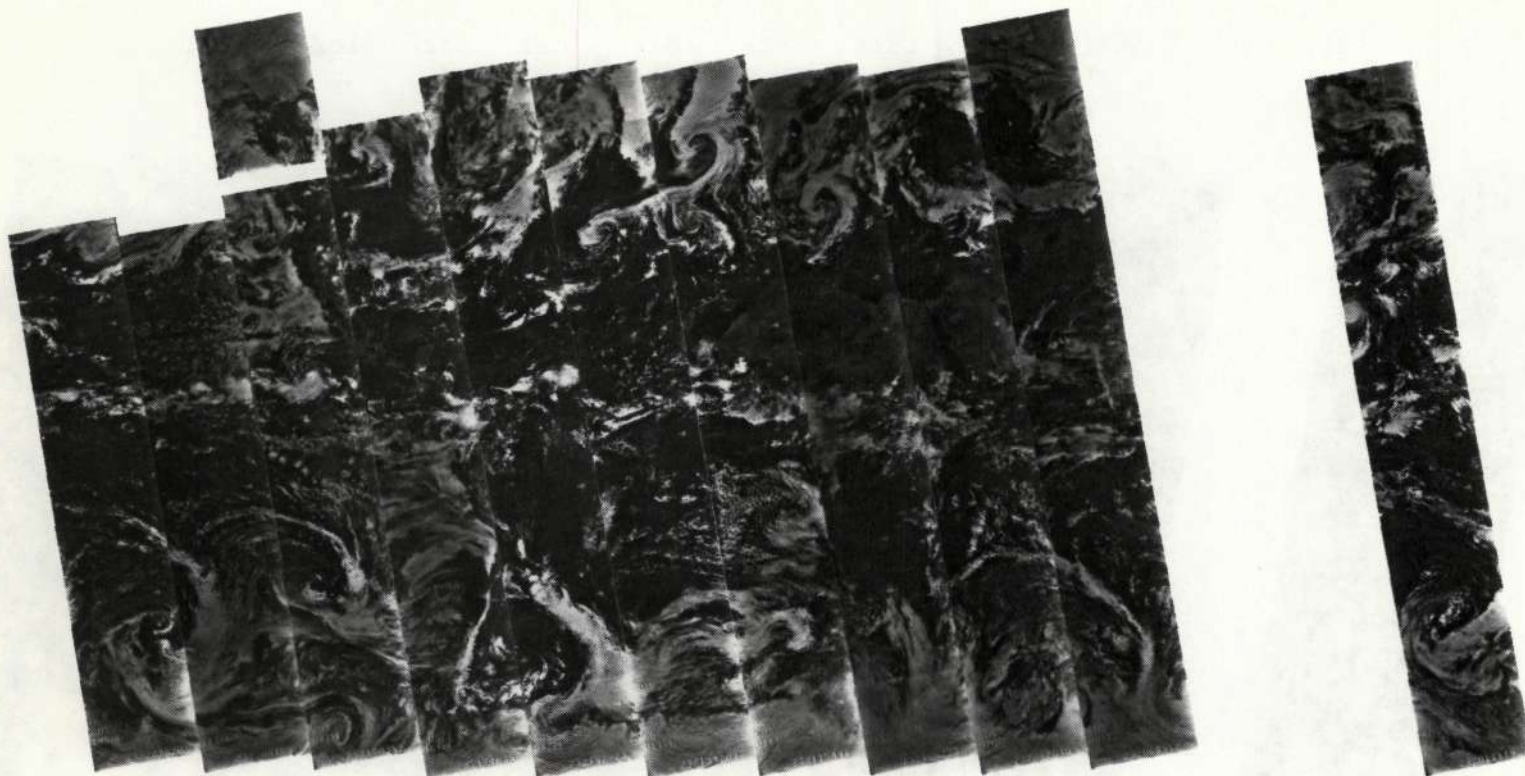
1795 1794 1793 1792 1791 1790 1789 1788 1787 1786 1785 1784 1783 1782

19 AUGUST 1970

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20 AUGUST 1970

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1822 1821 1820 1819 1818 1817 1816 1815 1814 1813 1812 1811 1810 1809

21 AUGUST 1970

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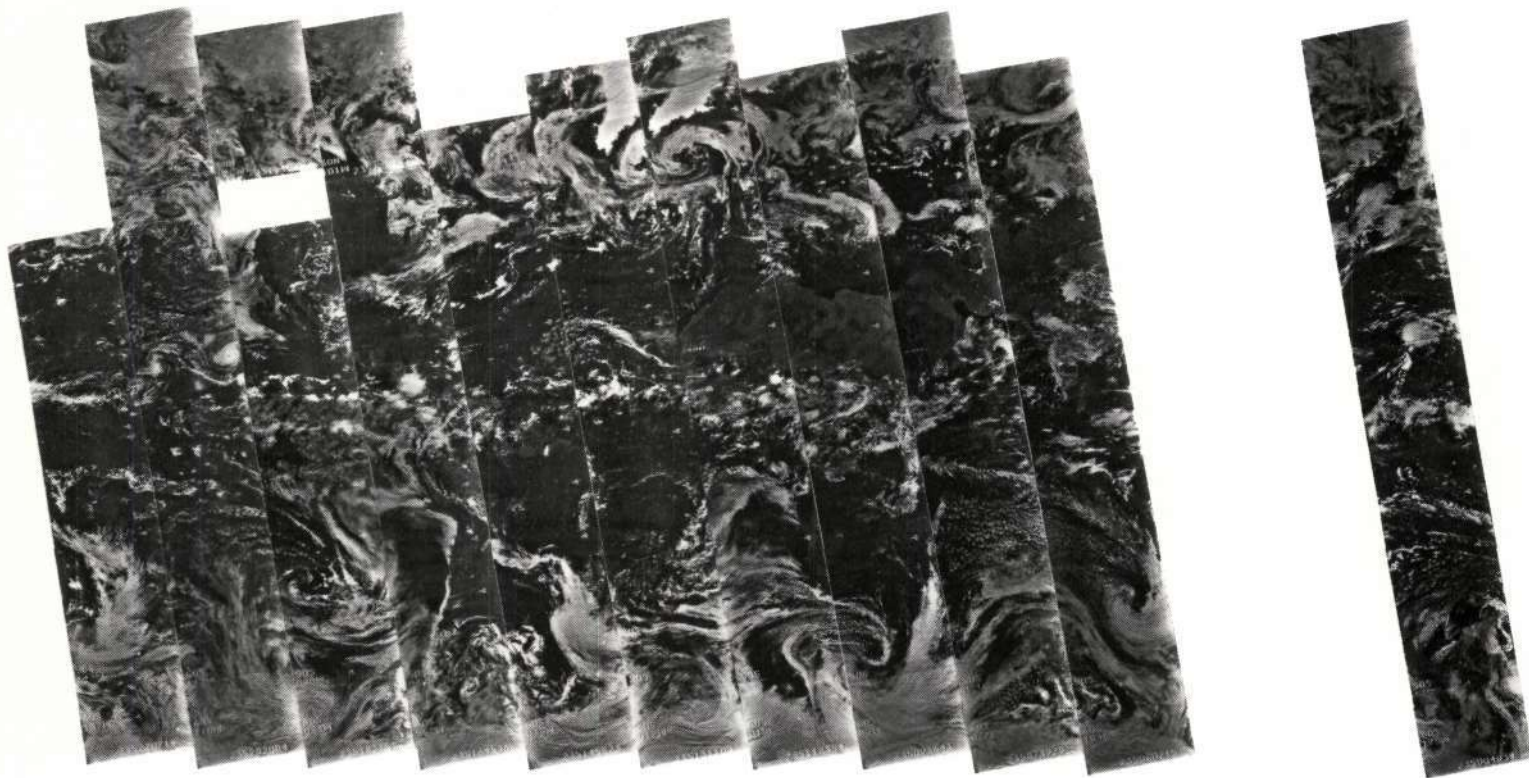


1835 1834 1833 1832 1831 1830 1829 1828 1827 1826 1825 1824 1823

22 AUGUST 1970

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1848 1847 1846 1845 1844 1843 1842 1841 1840 1839 1838 1837 1836

23 AUGUST 1970

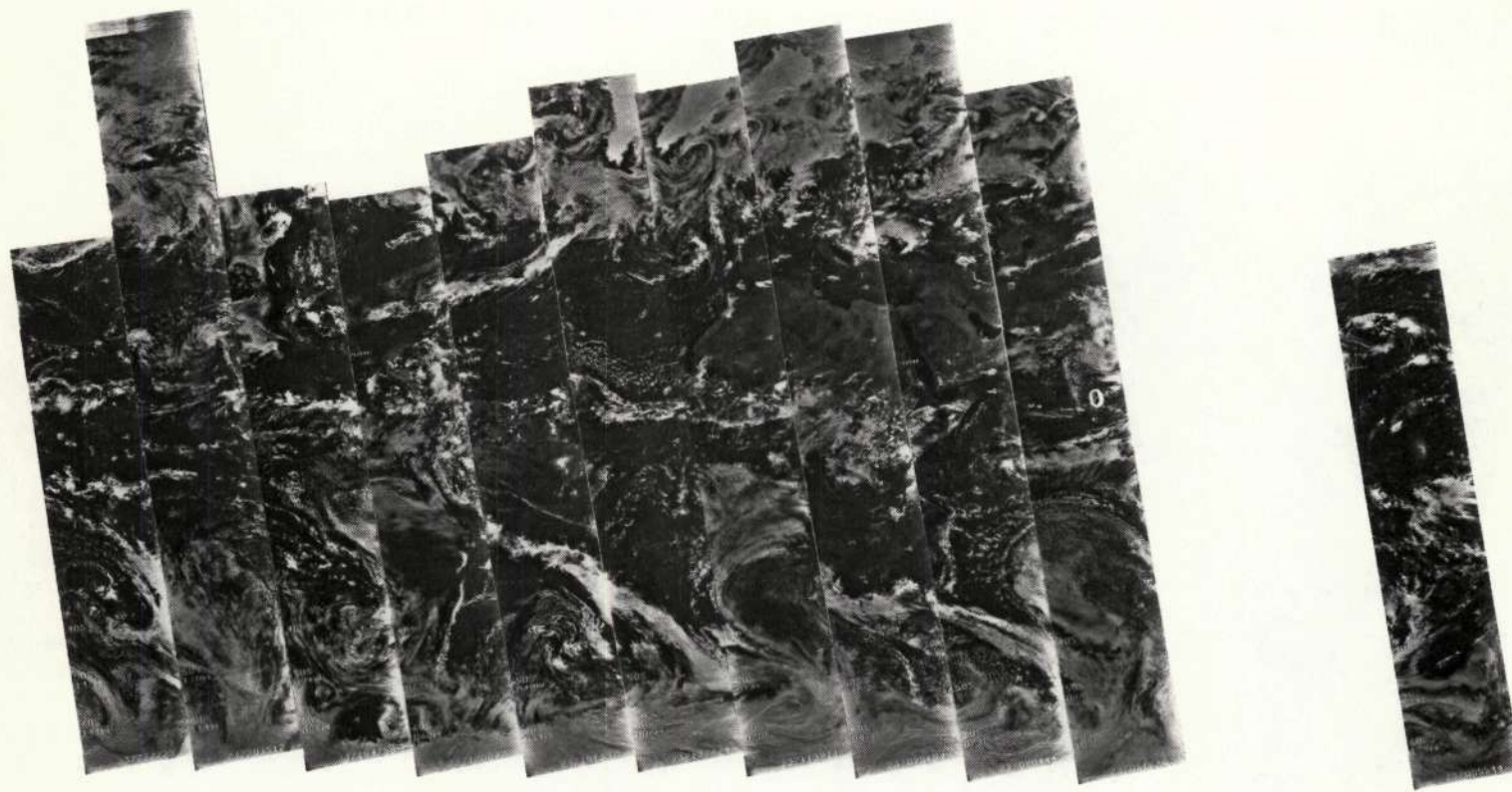
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1862 1861 1860 1859 1858 1857 1856 1855 1854 1853 1852 1851 1850 1849

24 AUGUST 1970

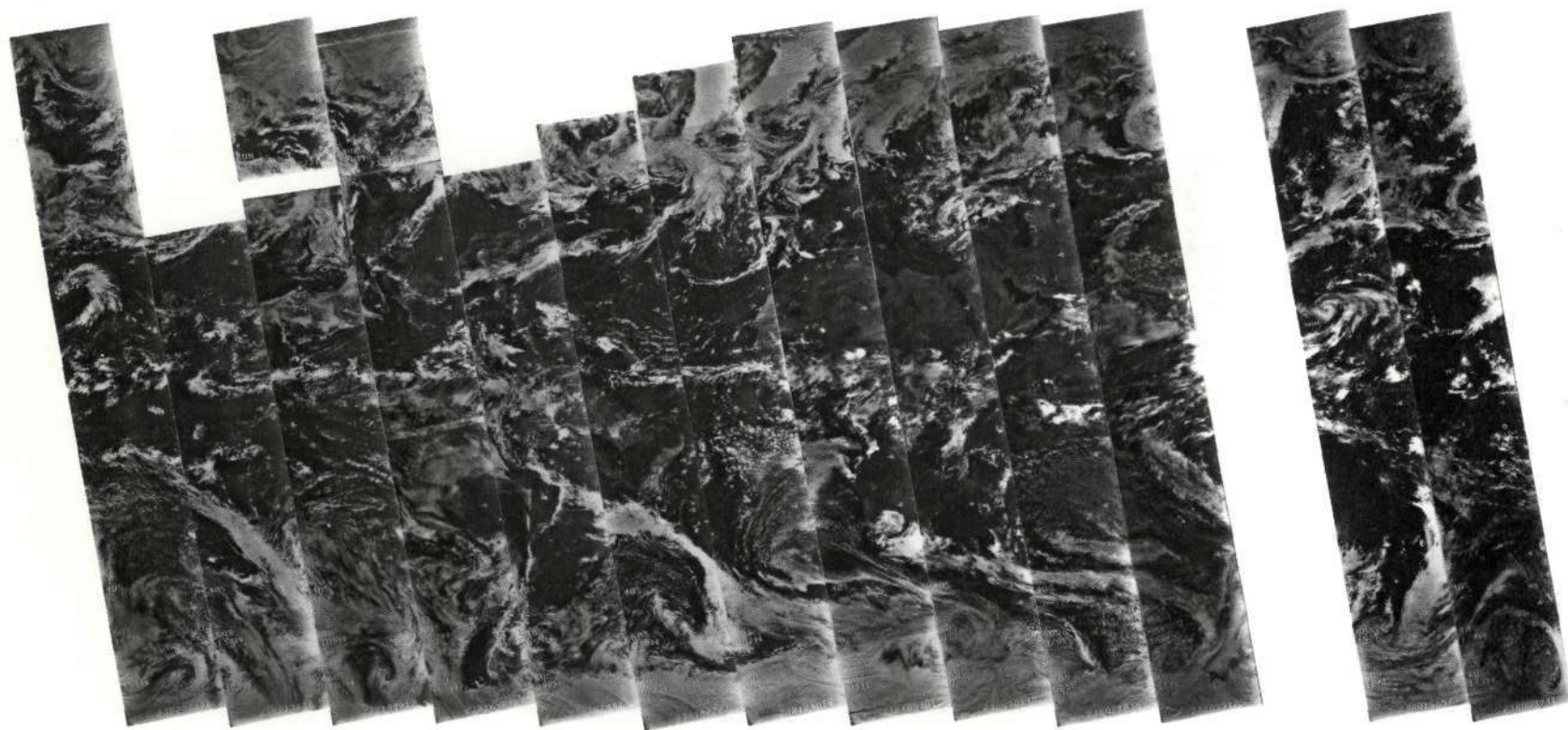


1875 1874 1873 1872 1871 1870 1869 1868 1867 1866 1865 1864 1863

25 AUGUST 1970

3-58

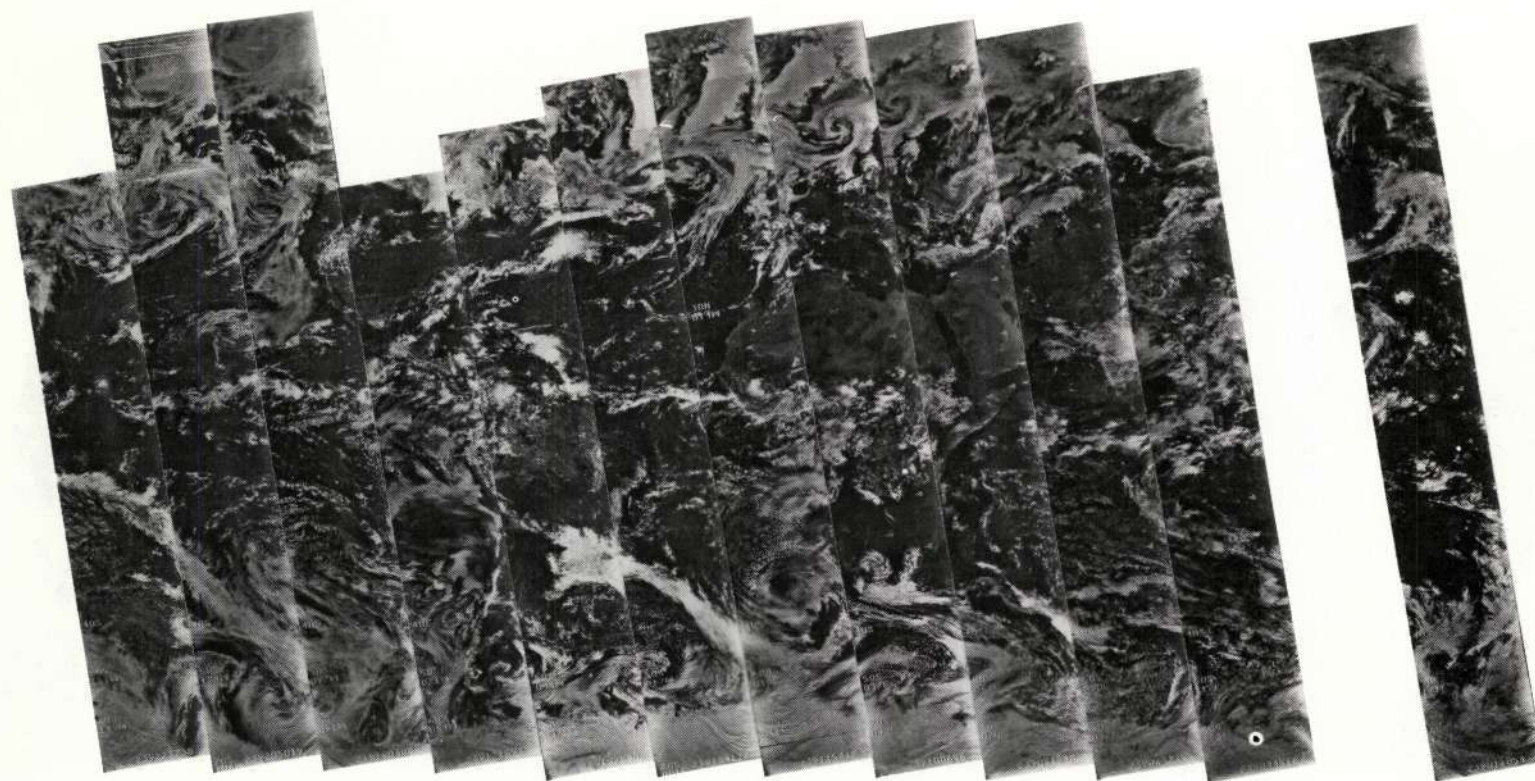
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1889 1888 1887 1886 1885 1884 1883 1882 1881 1880 1879 1878 1877 1876

26 AUGUST 1970

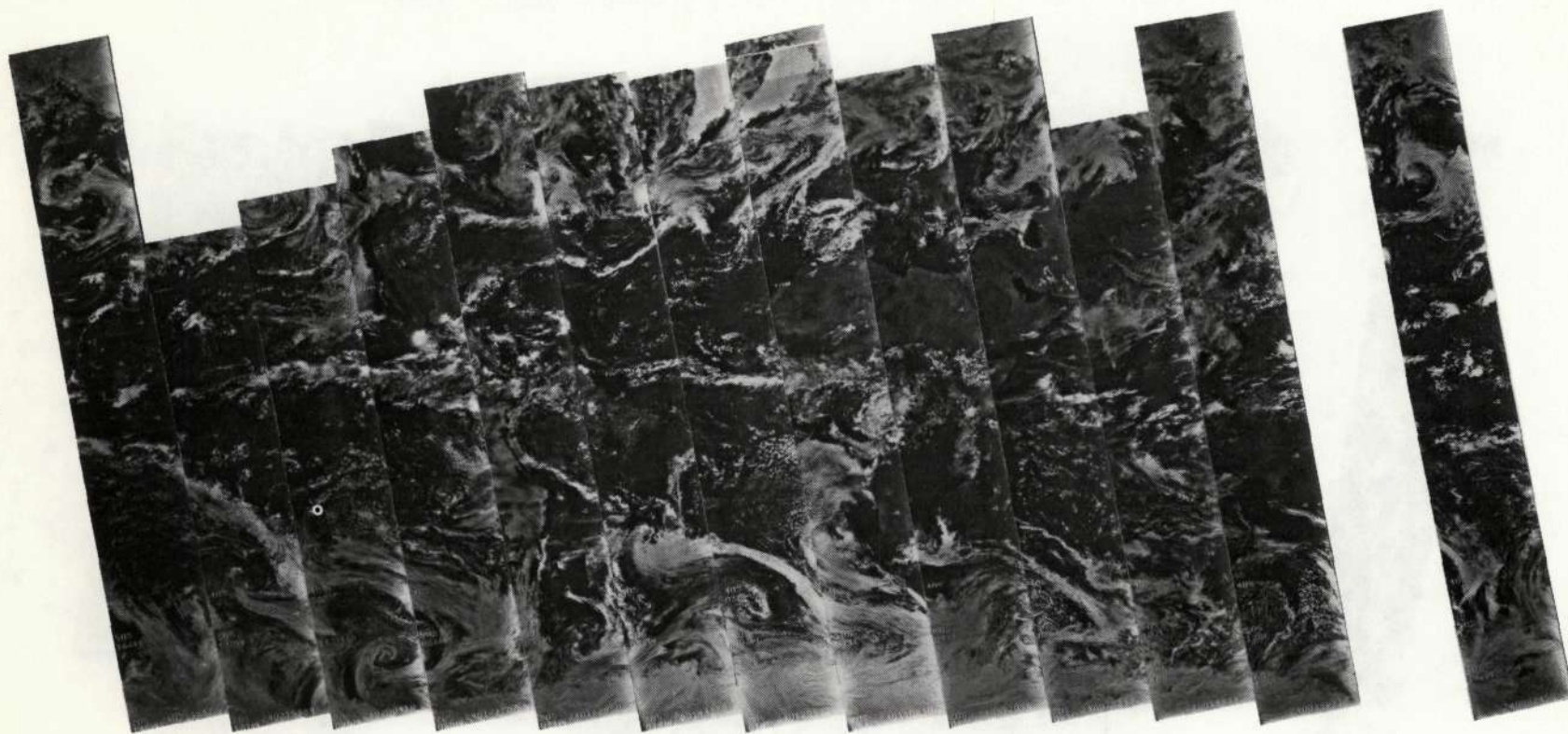


1902 1901 1900 1899 1898 1897 1896 1895 1894 1893 1892 1891 1890

27 AUGUST 1970

3-60

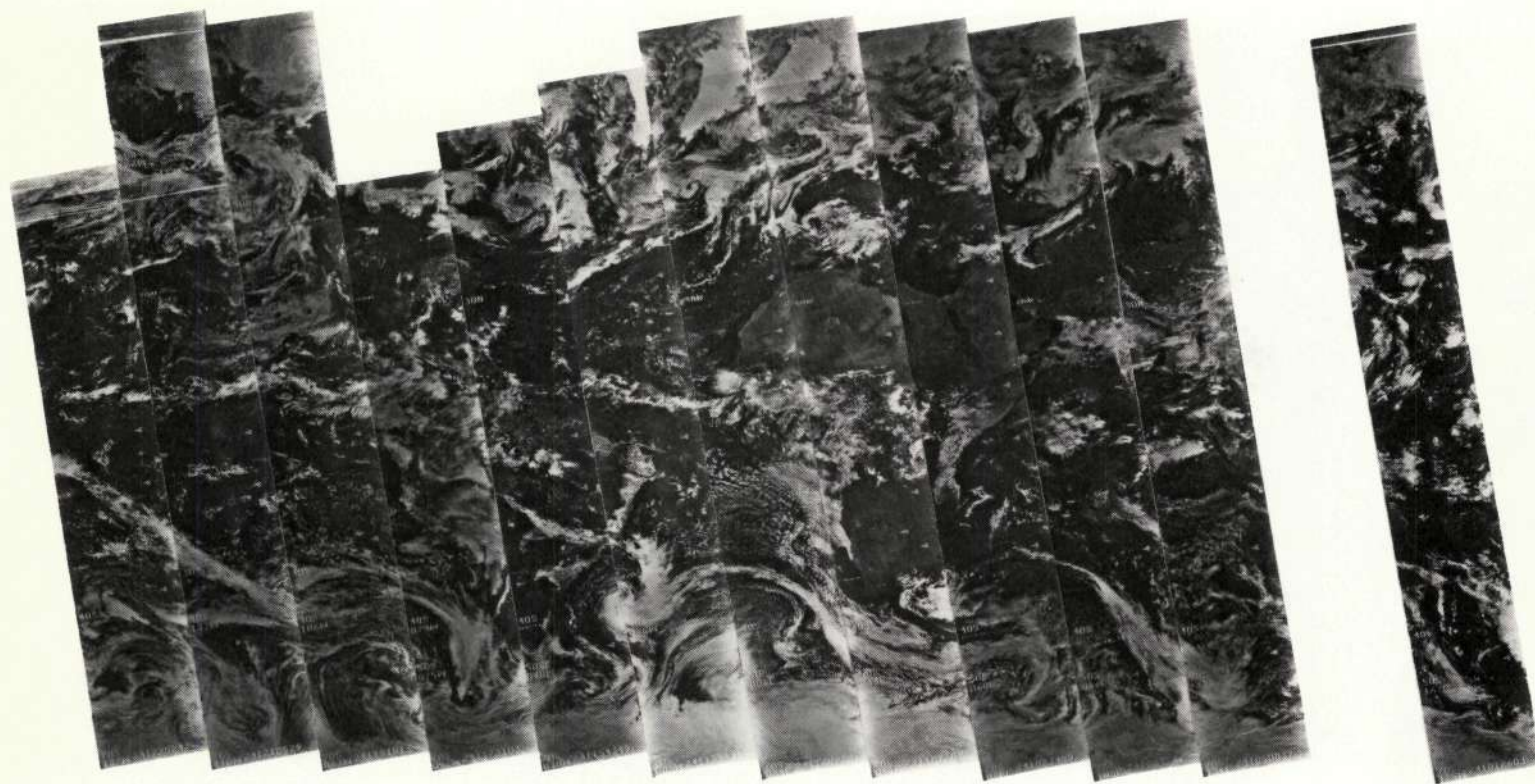
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1916 1915 1914 1913 1912 1911 1910 1909 1908 1907 1906 1905 1904 1903

28 AUGUST 1970

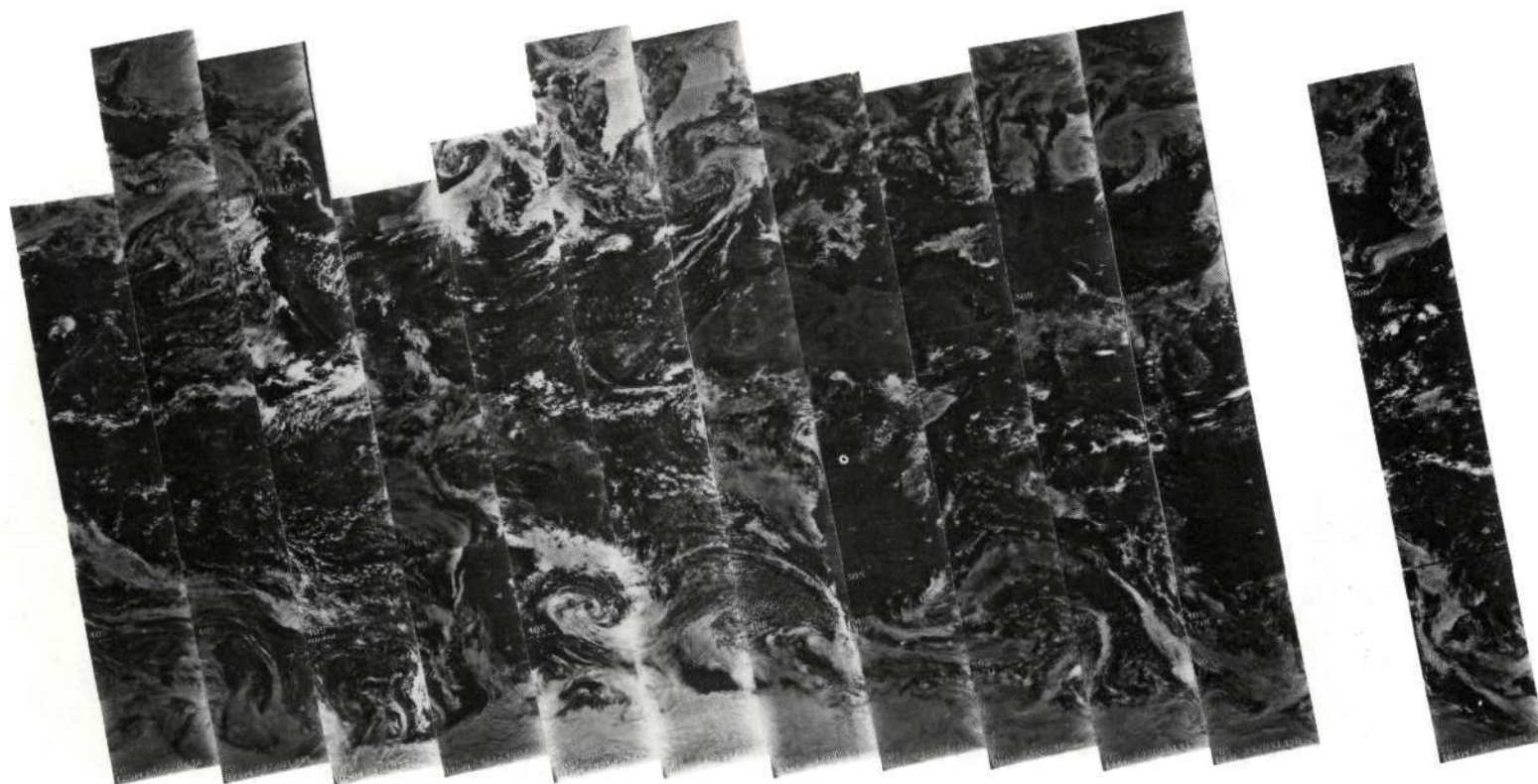


1929 1928 1927 1926 1925 1924 1923 1922 1921 1920 1919 1918 1917

29 AUGUST 1970

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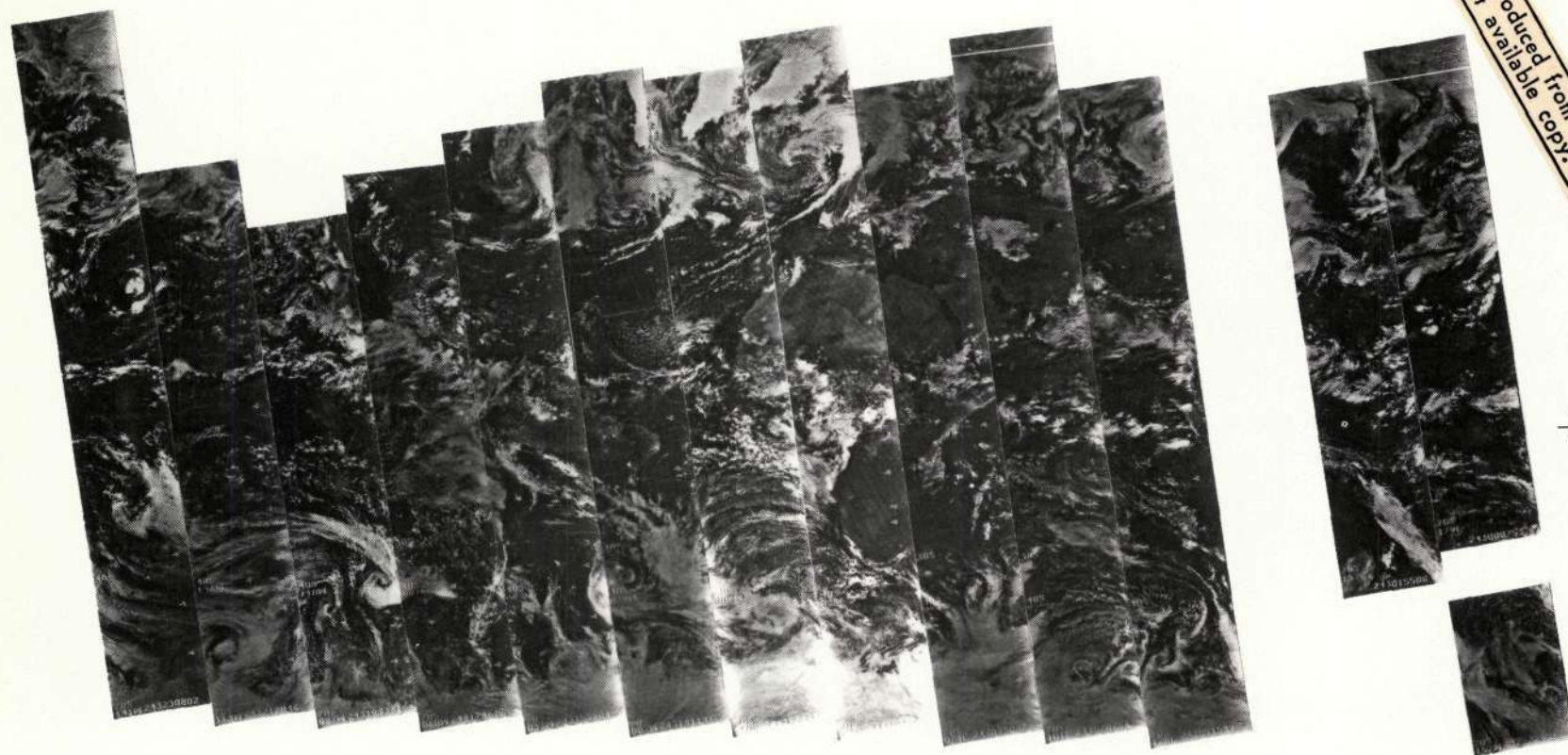
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1942 1941 1940 1939 1938 1937 1936 1935 1934 1933 1932 1931 1930

30 AUGUST 1970

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1956 1955 1954 1953 1952 1951 1950 1949 1948 1947 1946 1945 1944 1943

31 AUGUST 1970

SECTION 4

TEMPERATURE-HUMIDITY INFRARED RADIOMETER MONTAGES

This section pictorially documents the data from the Temperature-Humidity Infrared Radiometer experiment carried on the Nimbus 4 Meteorological Satellite. The THIR 11.5 and 6.7 micrometer channel montages shown represent the nighttime data (Section 4.1), and the daytime data (Section 4.2), arranged in chronological order. Key latitudes can be read from the superposed grids. Grid points are identified where each swath crosses 60°N, 30°N, EQUATOR, 30°S and 60°S.

Vellum Location Guide overlays, attached to the back of this document, are to be used for general orientation with the data presented in each THIR montage. Proper alignment of the overlay grid is accomplished by matching the grid indices on the equator with the two "T" marks on each montage.

Each THIR montage is provided with a time scale to determine the Universal Time limits required to order processed THIR grid print maps (see p. 57, Nimbus IV User's Guide). The time scale determines the number of minutes from ascending (daytime data) or descending (nighttime data) node time for the interval of data required. To obtain the Universal Time for daytime data, the measured time is to be added to the ascending node time in the northern hemisphere and subtracted in the southern hemisphere. For nighttime data, the measured time is to be subtracted from the descending node time in the northern hemisphere and added in the southern hemisphere. The ascending and descending node times are given in Section 2.

The following alternate procedure also establishes Universal Time limits. Knowing the latitude limits of the study area, the minutes from ascending or descending node can be directly interpolated from Table 4-1. These time values can then be added to or subtracted from node times given in Section 2.

A description of the THIR experiment and instructions for ordering THIR data may be found in the Nimbus IV User's Guide, Section 3.

Table 4-1

LATITUDE VERSUS MINUTES FROM
ASCENDING OR DESCENDING MODE

Latitude from AN or DN	Minutes and Seconds from AN or DN
0	0:00
5	1:31
10	3:02
15	4:33
20	6:03
25	7:34
30	9:05
35	10:36
40	12:08
45	13:40
50	15:12
55	16:44
60	18:18
65	19:52
70	21:33
75	23:26
78	24:44
80.1	26:49
78	29:00
75	30:09
70	31:51
65	33:35

SECTION 4.1

TEMPERATURE HUMIDITY INFRARED RADIOMETER

NIGHTTIME MONTAGES

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22
21
26
28
30
min.



1137 1136 1135 1134 1133 1132 1131 1130 1129 1128 1127 1126 1125 1124

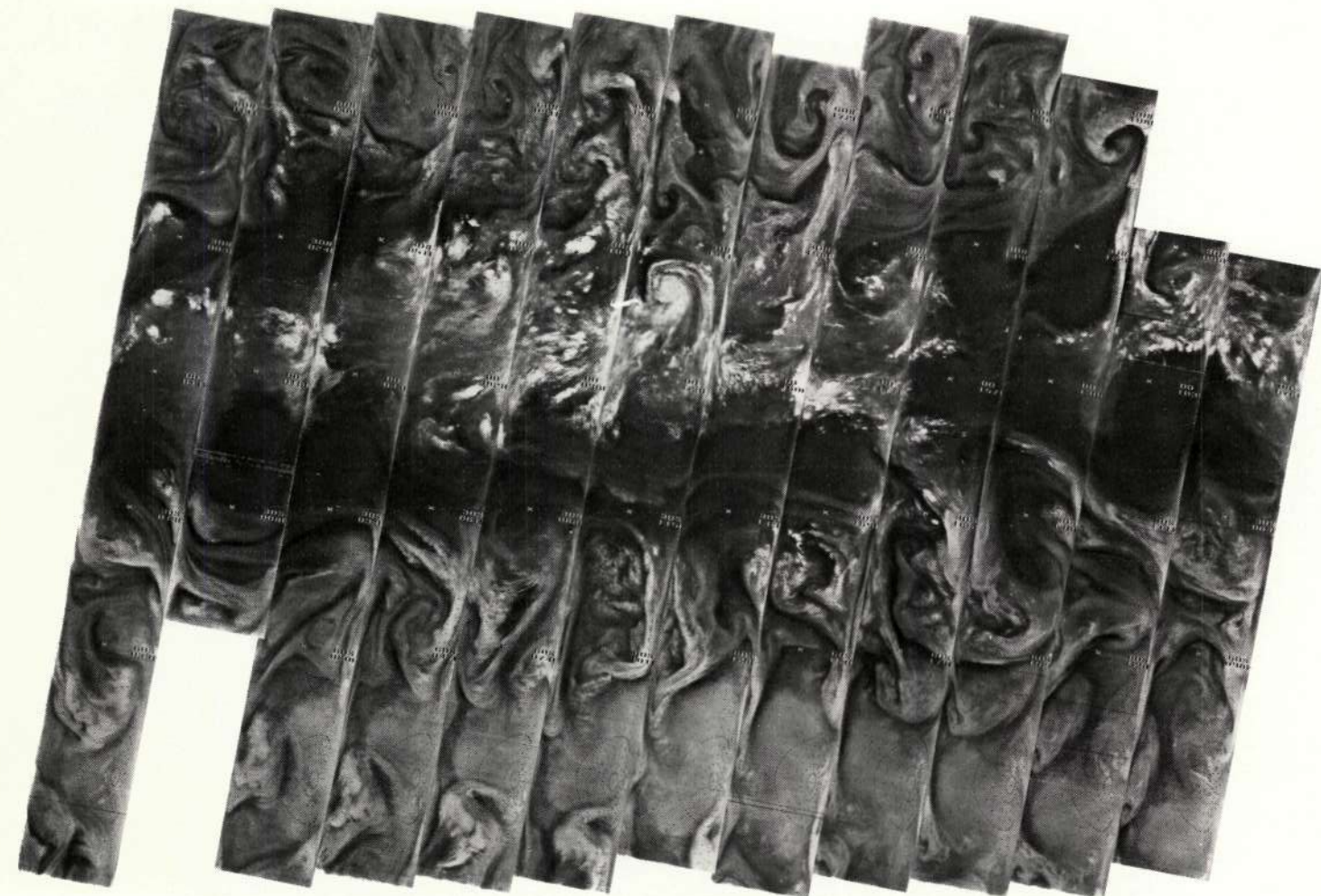
1 JULY 1970

11.5 μ m

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21
26
28
30
min.

4-5

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min.



1137 1136 1135 1134 1133 1132 1131 1130 1129 1128 1127 1126 1125 1124

1 JULY 1970

6.7 μ m

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min.

4-6

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min.



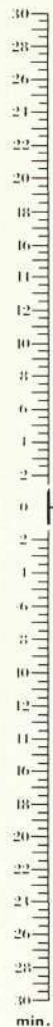
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18
20
22
24
26
28
30
min.

1150 1149 1148 1147 1146 1145 1144 1143 1142 1141 1140 1139 1138

2 JULY 1970

11.5 μ m

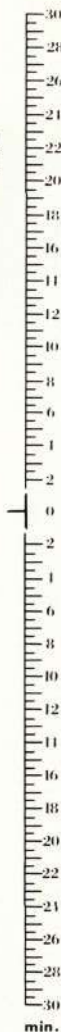
4-7



1150 1149 1148 1147 1146 1145 1144 1143 1142 1141 1140 1139 1138

2 JULY 1970

6.7 μ m



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28
30
min.



1164 1163 1162 1161 1160 1159 1158 1157 1156 1155 1154 1153 1152 1151

3 JULY 1970

11.5 μ m

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min.

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30
min.



1164 1163 1162 1161 1160 1159 1158 1157 1156 1155 1154 1153 1152 1151

3 JULY 1970

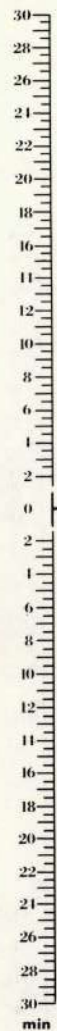
6.7 μ m

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min.

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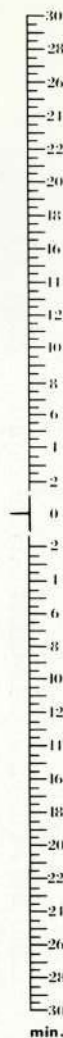
4-10

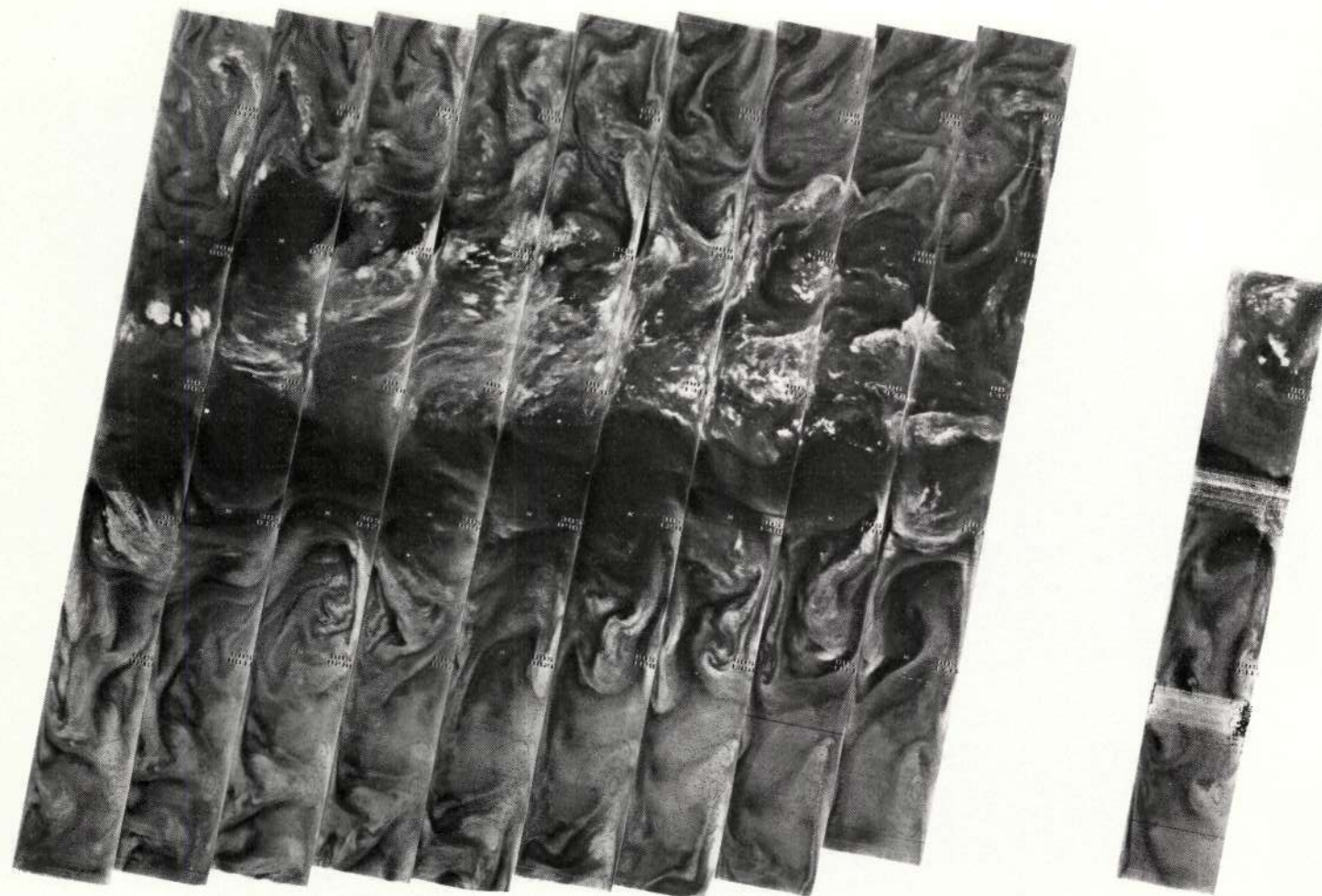


1177 1176 1175 1174 1173 1172 1171 1170 1169 1168 1167 1166 1165

4 JULY 1970

11.5 μ m





1177 1176 1175 1174 1173 1172 1171 1170 1169 1168 1167 1166 1165

4 JULY 1970

6.7 μ m

4-11

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min.



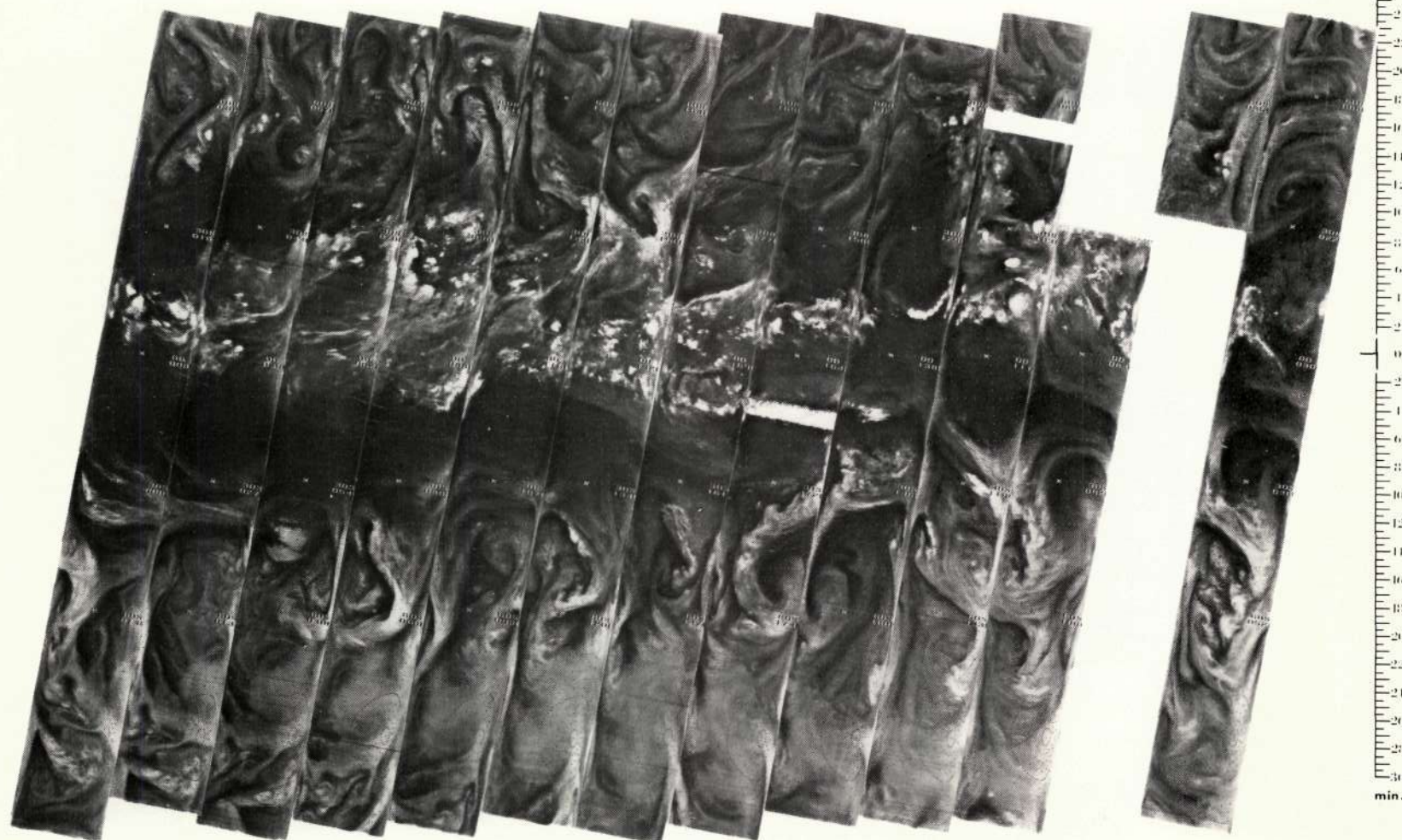
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1190 1189 1188 1187 1186 1185 1184 1183 1182 1181 1180 1179 1178

5 JULY 1970

11.5 μ m

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min.



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1190 1189 1188 1187 1186 1185 1184 1183 1182 1181 1180 1179 1178

5 JULY 1970

6.7 μ m

4-14

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min.

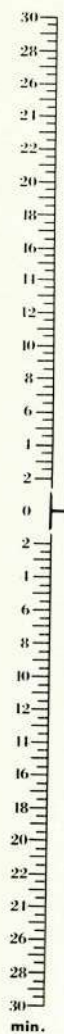


1204 1203 1202 1201 1200 1199 1198 1197 1196 1195 1194 1193 1192 1191

6 JULY 1970

11.5 μ m

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1204 1203 1202 1201 1200 1199 1198 1197 1196 1195 1194 1193 1192 1191

6 JULY 1970

6.7 μ m

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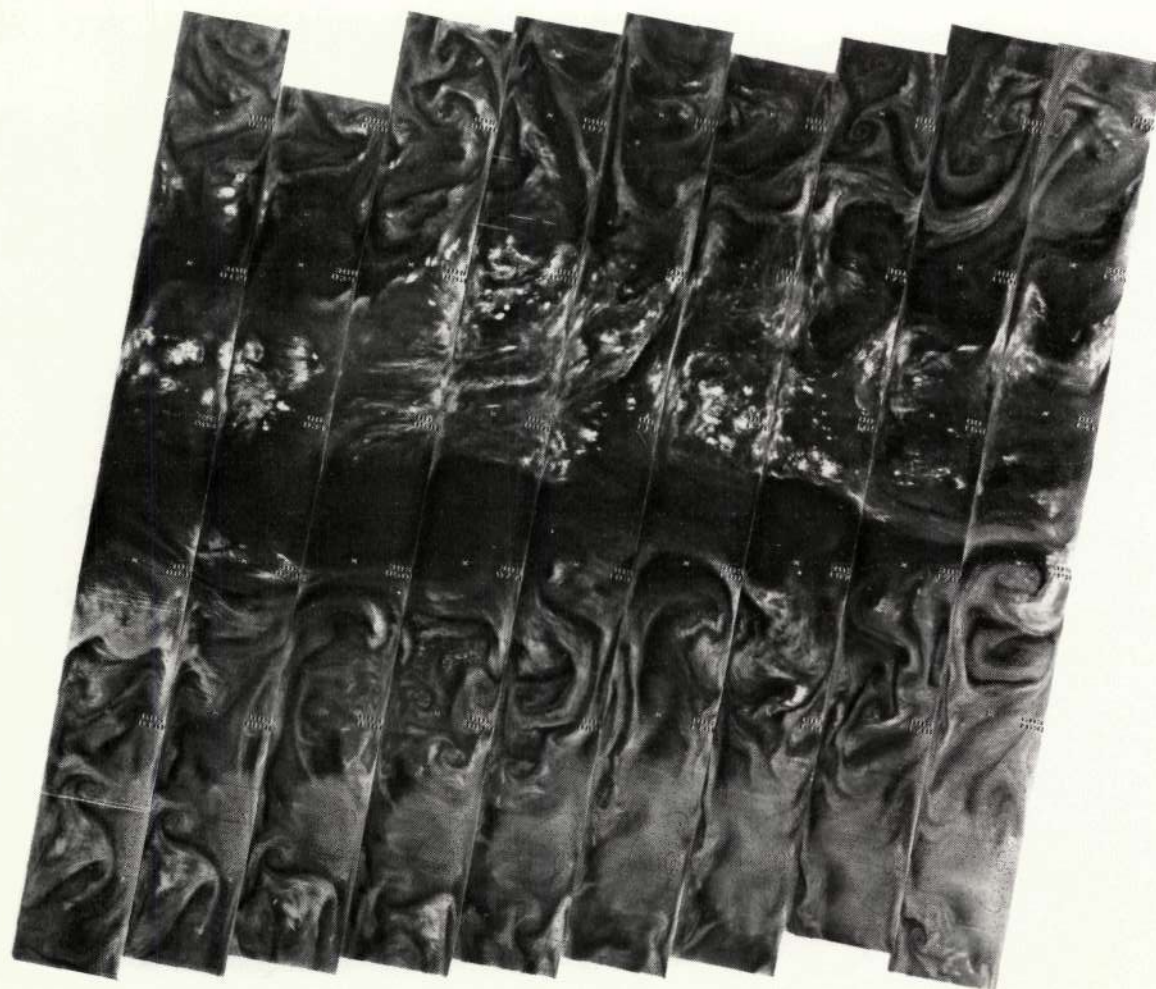
1217 1216 1215 1214 1213 1212 1211 1210 1209 1208 1207 1206 1205

7 JULY 1970

11.5 μ m

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min.



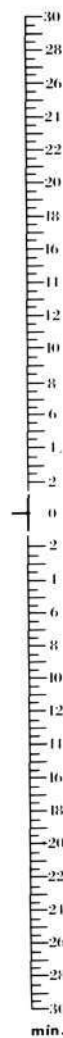
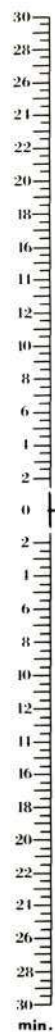
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1217 1216 1215 1214 1213 1212 1211 1210 1209 1208 1207 1206 1205

7 JULY 1970

6.7 μ m

4-18



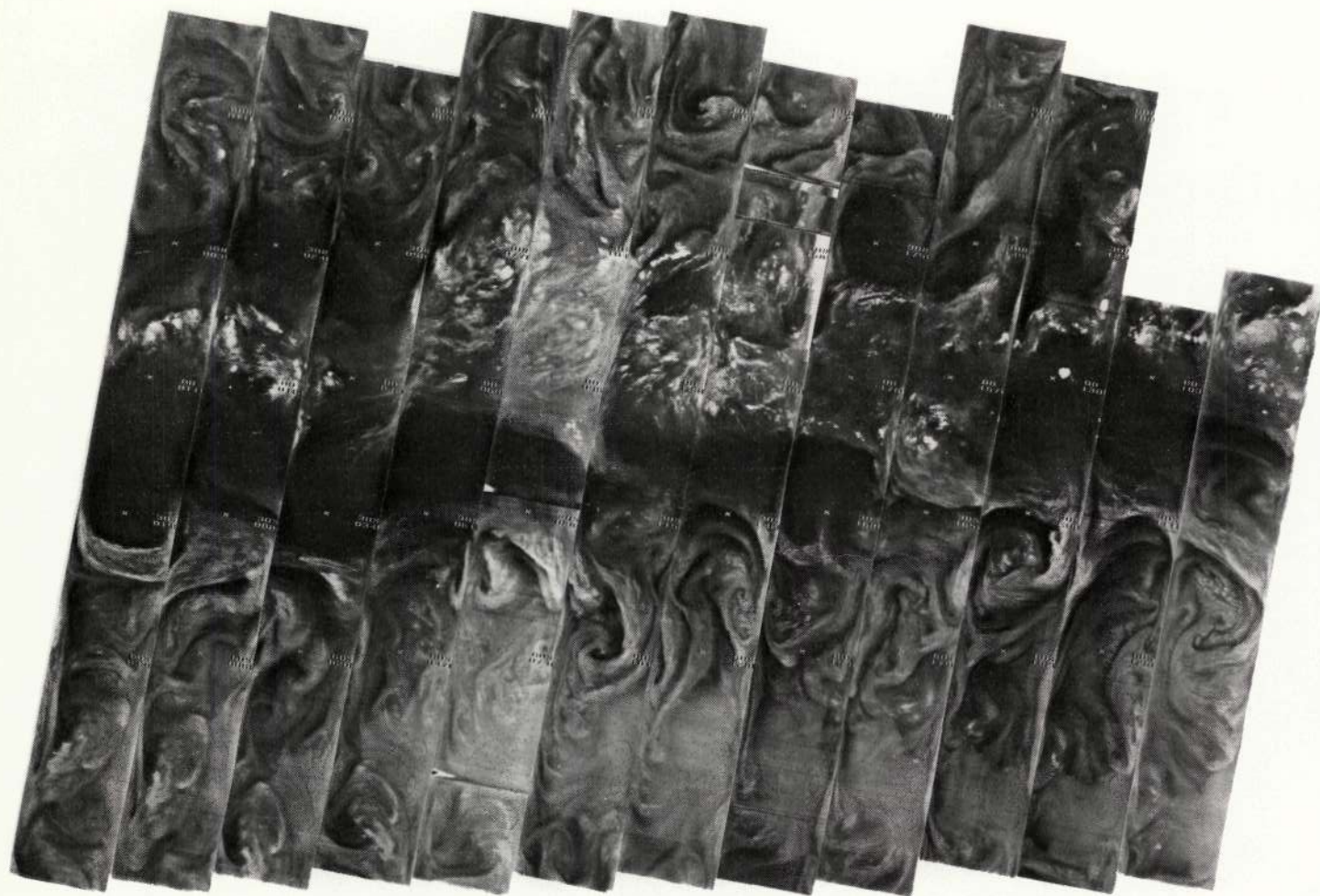
1231 1230 1229 1228 1227 1226 1225 1224 1223 1222 1221 1220 1219 1218

8 JULY 1970

11.5 μ m

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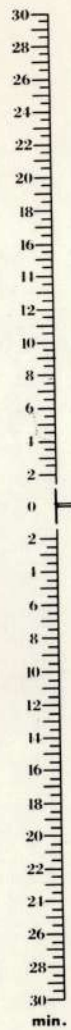
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min.

1231 1230 1229 1228 1227 1226 1225 1224 1223 1222 1221 1220 1219 1218

8 JULY 1970

6.7 μ m

4-20



1244 1243 1242 1241 1240 1239 1238 1237 1236 1235 1234 1233 1232

9 JULY 1970

11.5 μ m

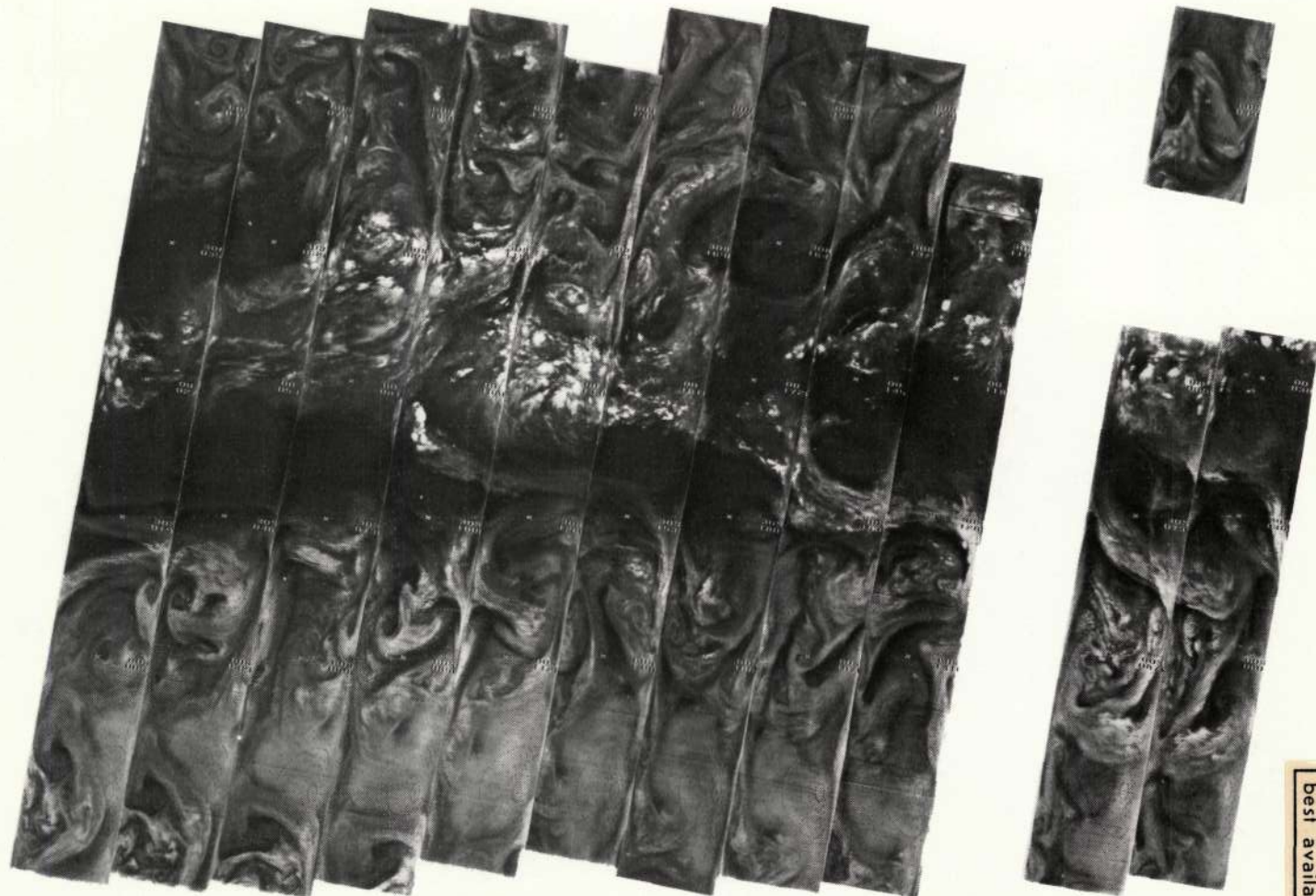




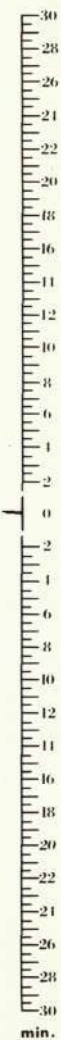
1244 1243 1242 1241 1240 1239 1238 1237 1236 1235 1234 1233 1232

9 JULY 1970

6.7 μm

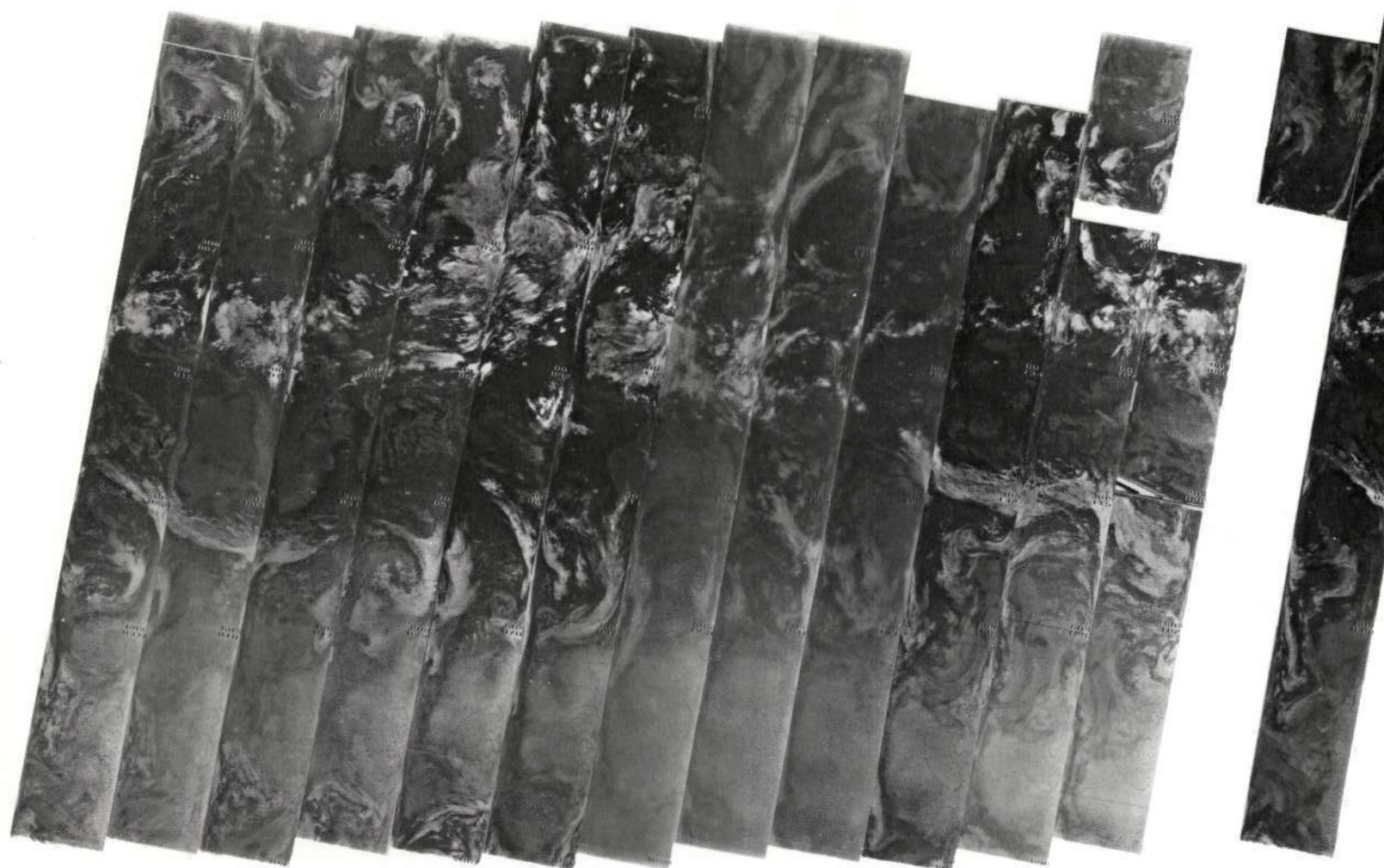


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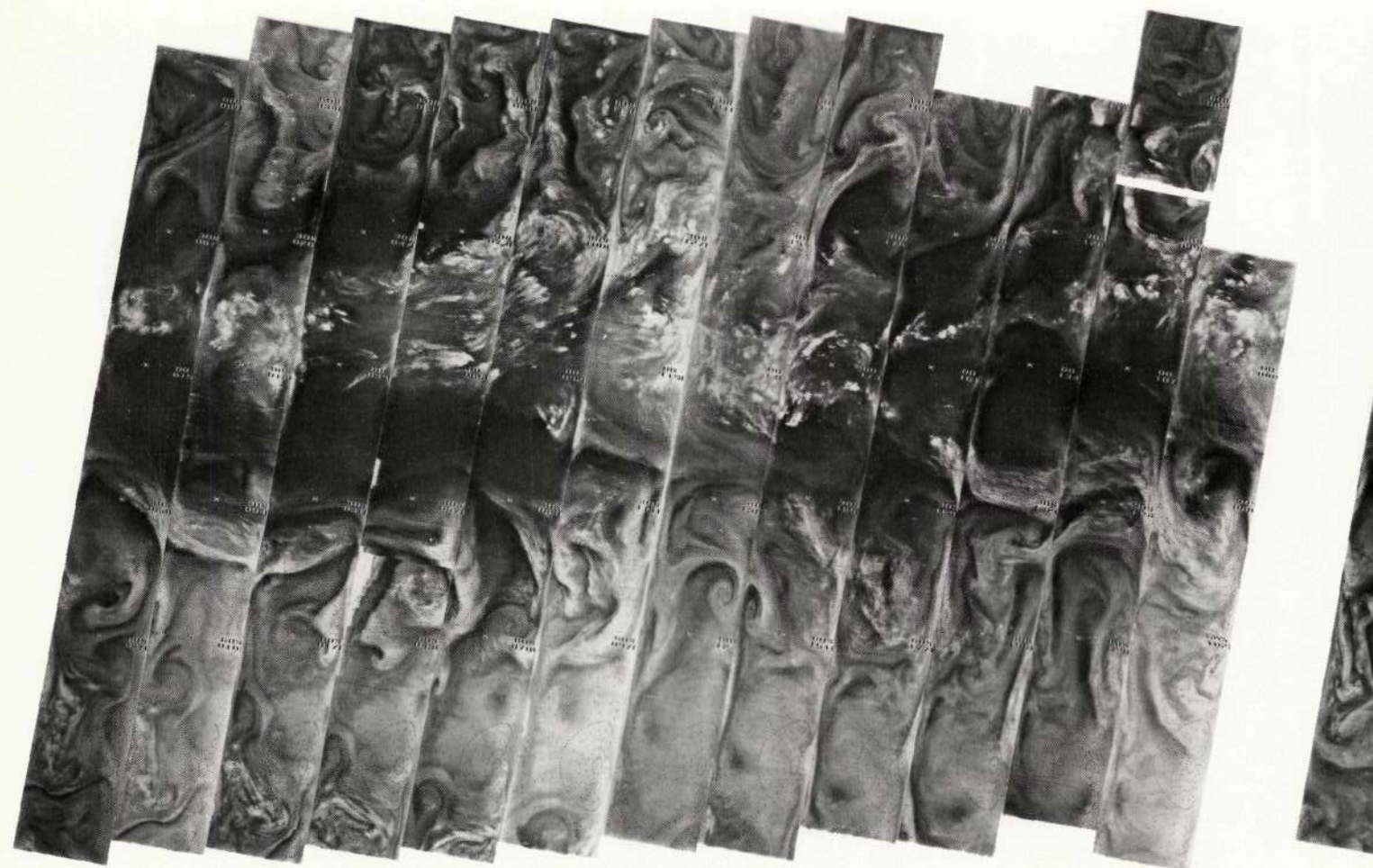
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1258 1257 1256 1255 1254 1253 1252 1251 1250 1249 1248 1247 1246 1245

10 JULY 1970

11.5 μ m

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1258 1257 1256 1255 1254 1253 1252 1251 1250 1249 1248 1247 1246 1245

10 JULY 1970

6.7 μ m

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1271 1270 1269 1268 1267 1266 1265 1264 1263 1262 1261 1260 1259

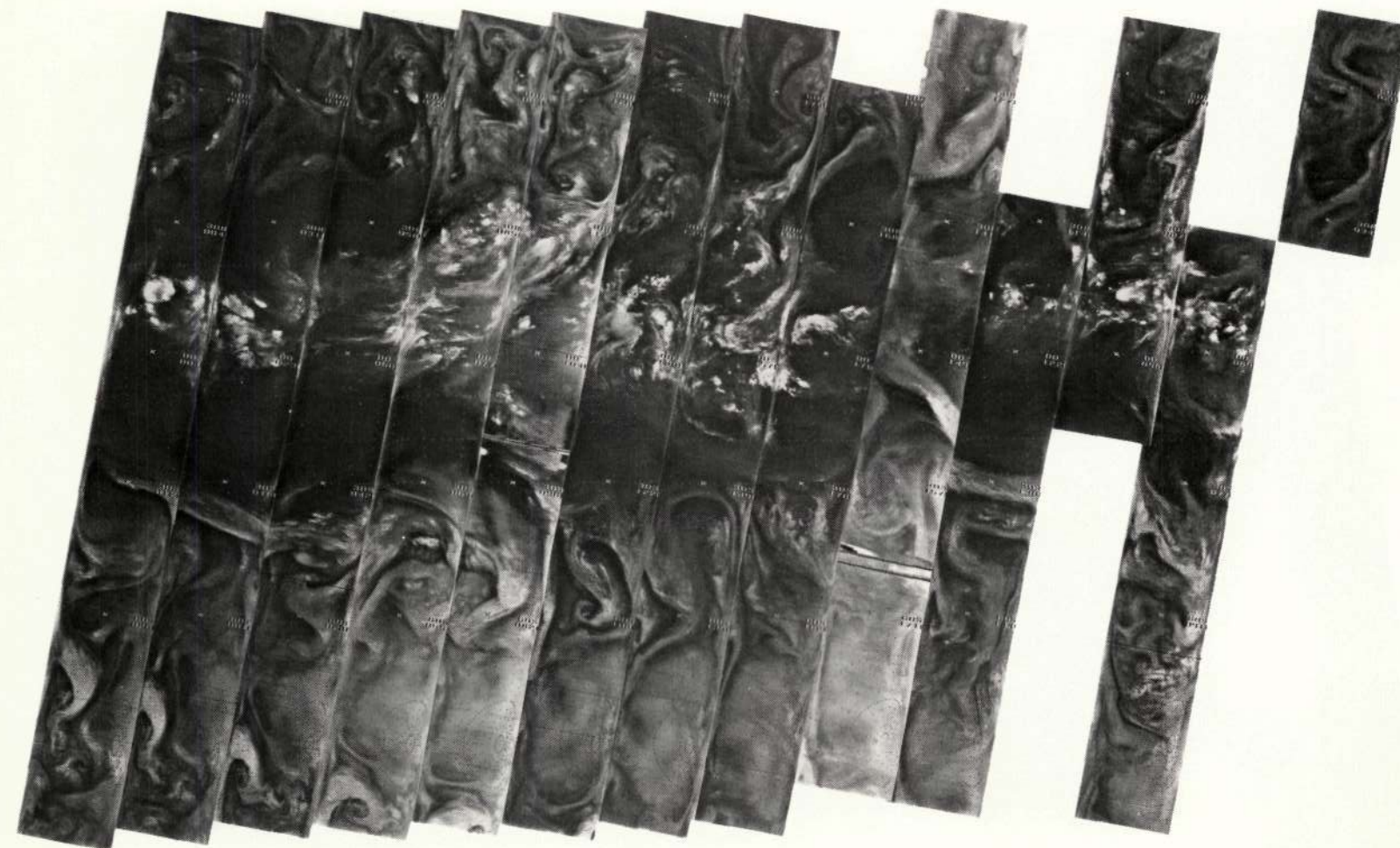
11 JULY 1970

11.5 μ m

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1271 1270 1269 1268 1267 1266 1265 1264 1263 1262 1261 1260 1259

11 JULY 1970

6.7 μ m

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min.



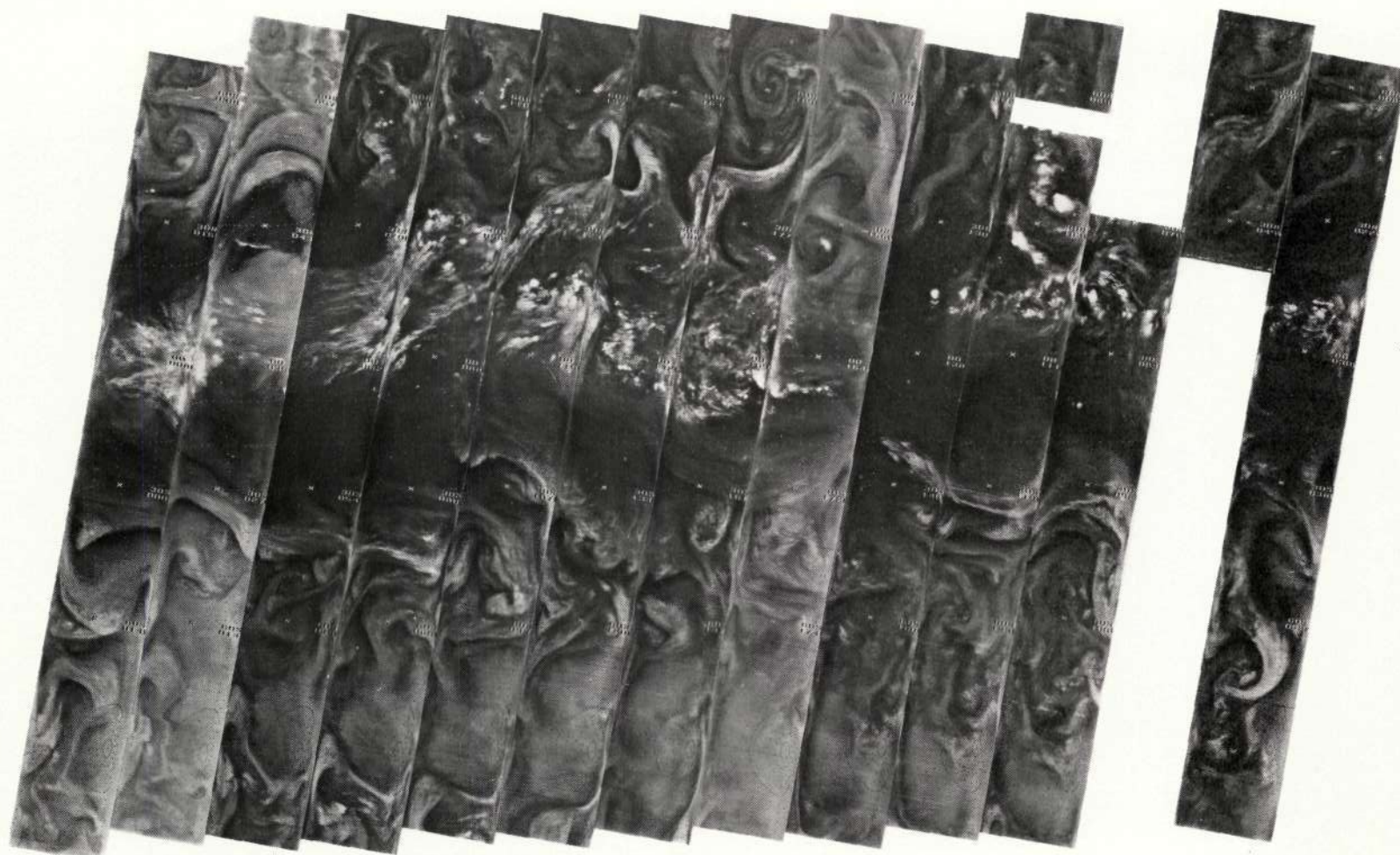
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min.

1284 1283 1282 1281 1280 1279 1278 1277 1276 1275 1274 1273 1272

12 JULY 1970

11.5 μ m

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12 JULY 1970

6.7 μ m

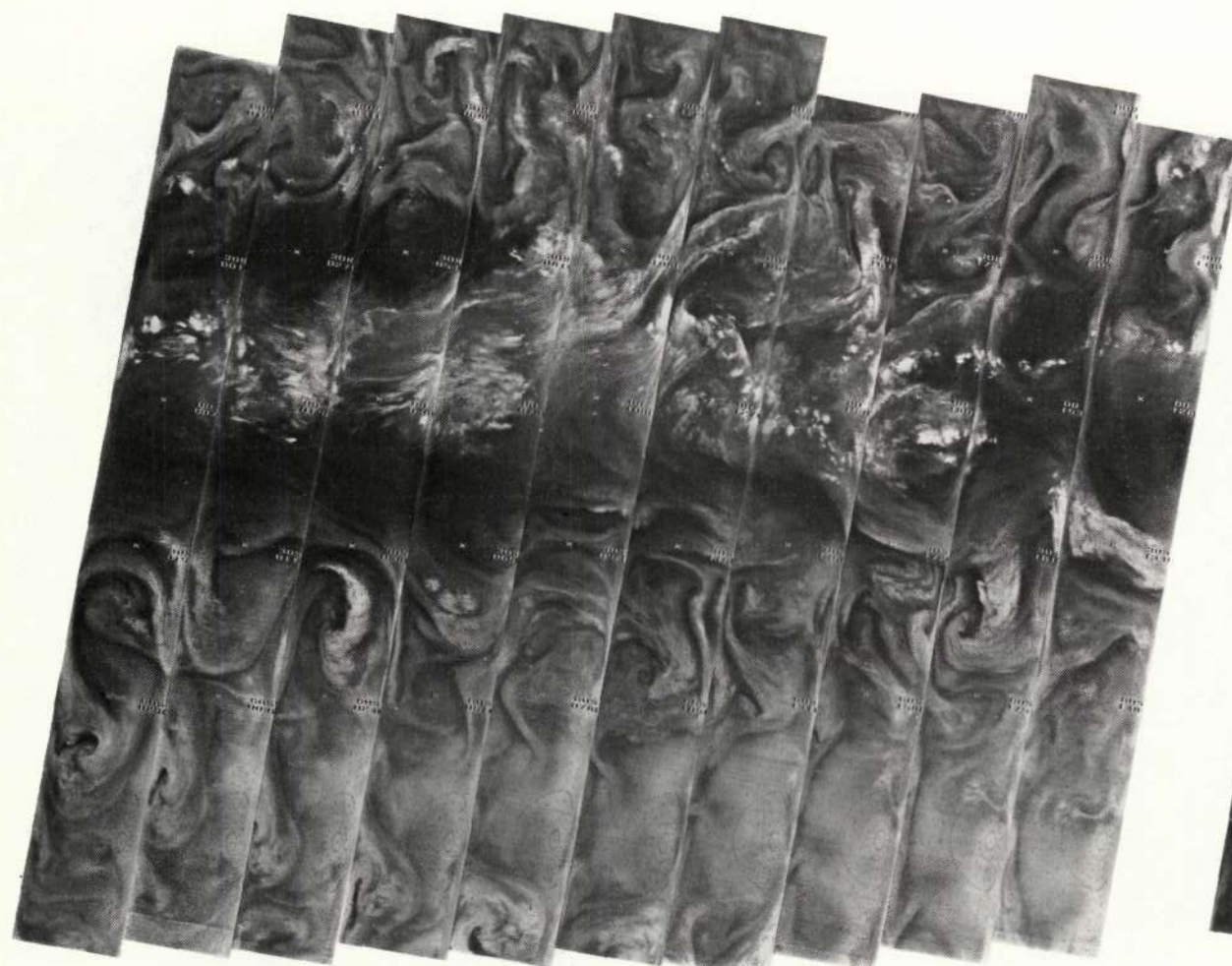


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13 JULY 1970

11.5 μ m

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13 JULY 1970

6.7 μ m

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14 JULY 1970

11.5 μ m

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14 JULY 1970

6.7 μ m

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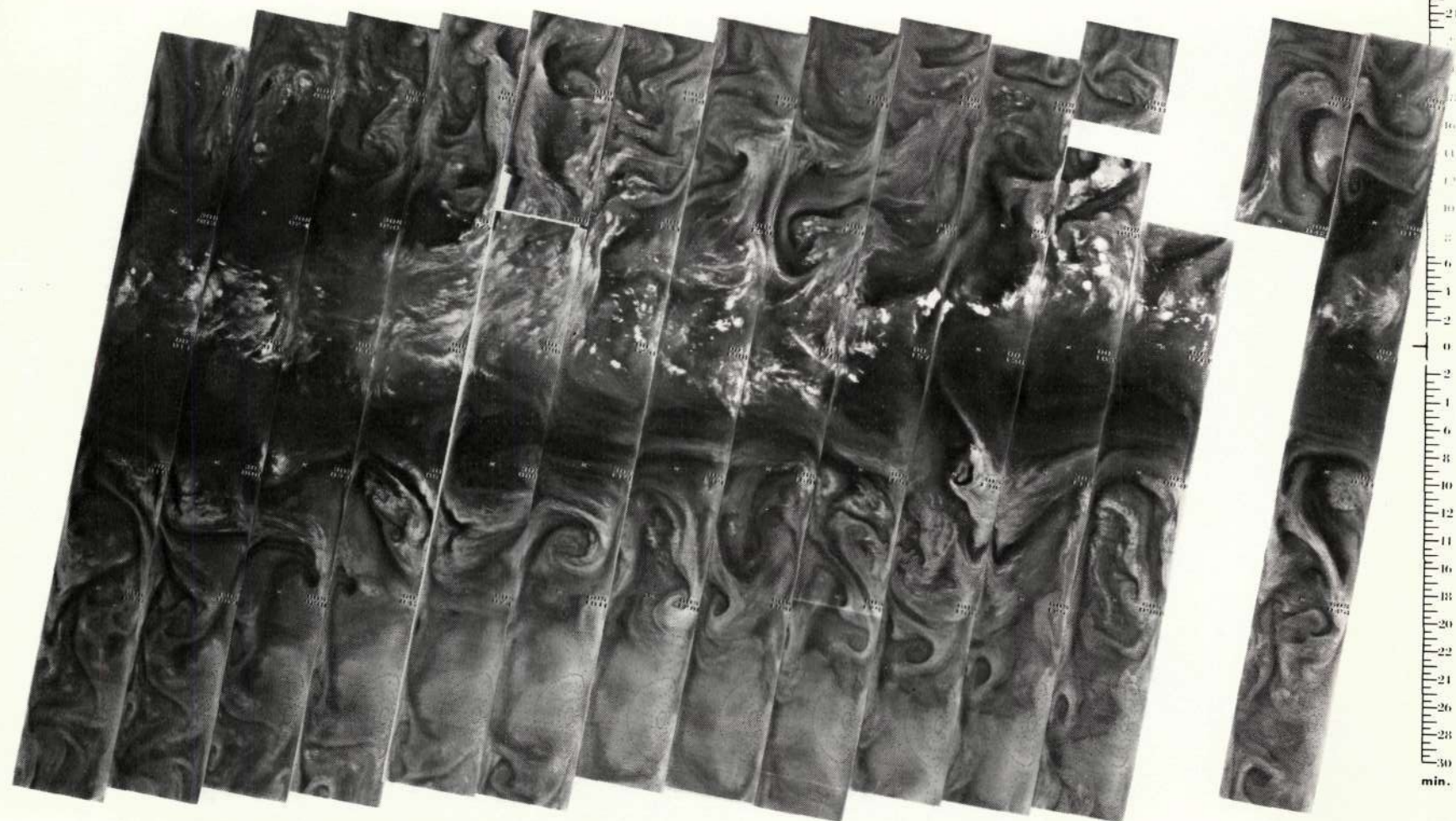
15 JULY 1970

11.5 μ m

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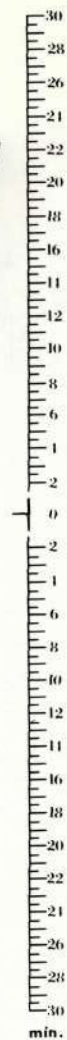
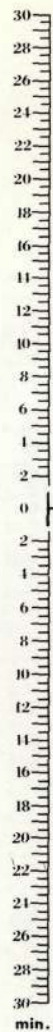


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15 JULY 1970

6.7μm

4-34



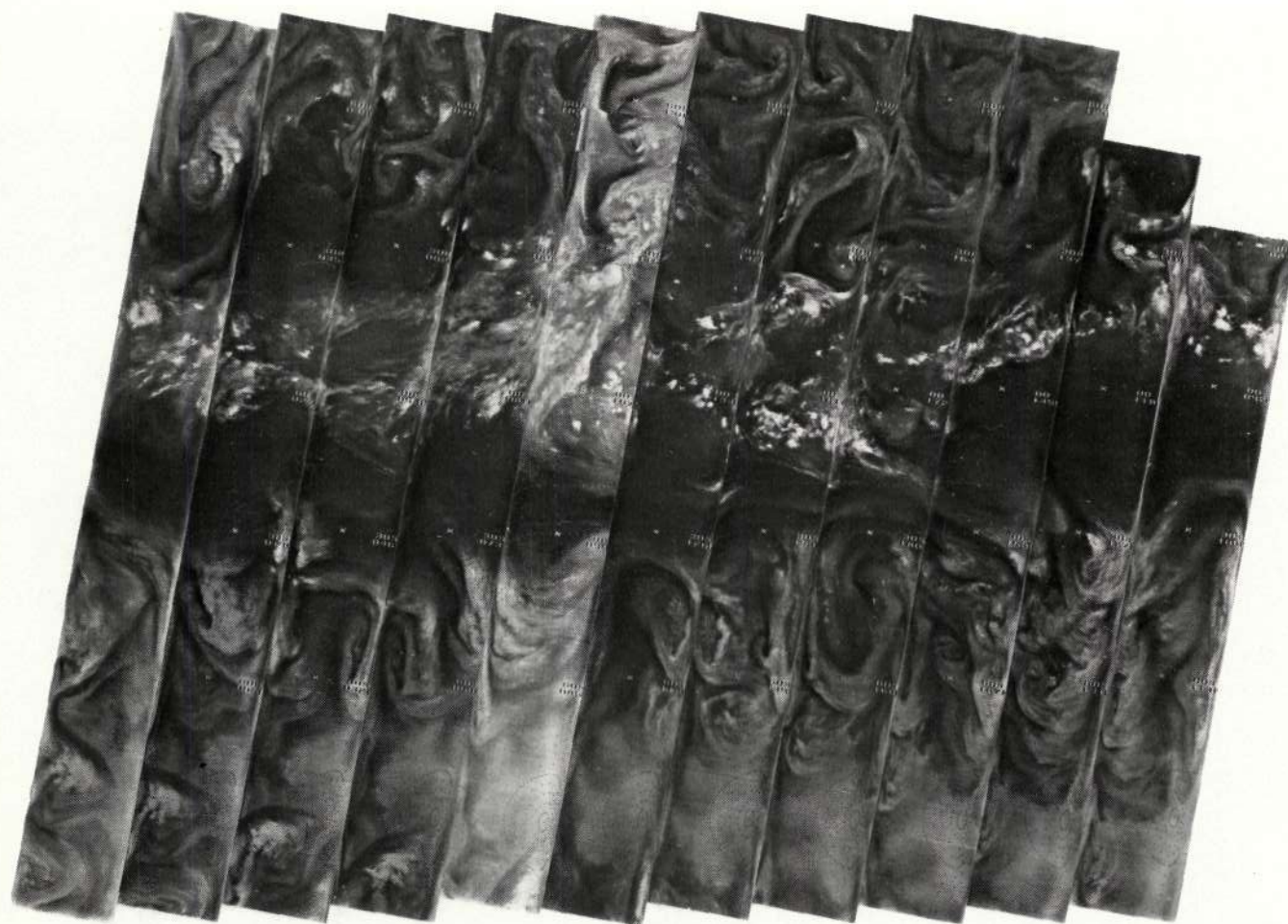
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16 JULY 1970

11.5 μ m

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1338 1337 1336 1335 1334 1333 1332 1331 1330 1329 1328 1327 1326

16 JULY 1970

6.7 μ m

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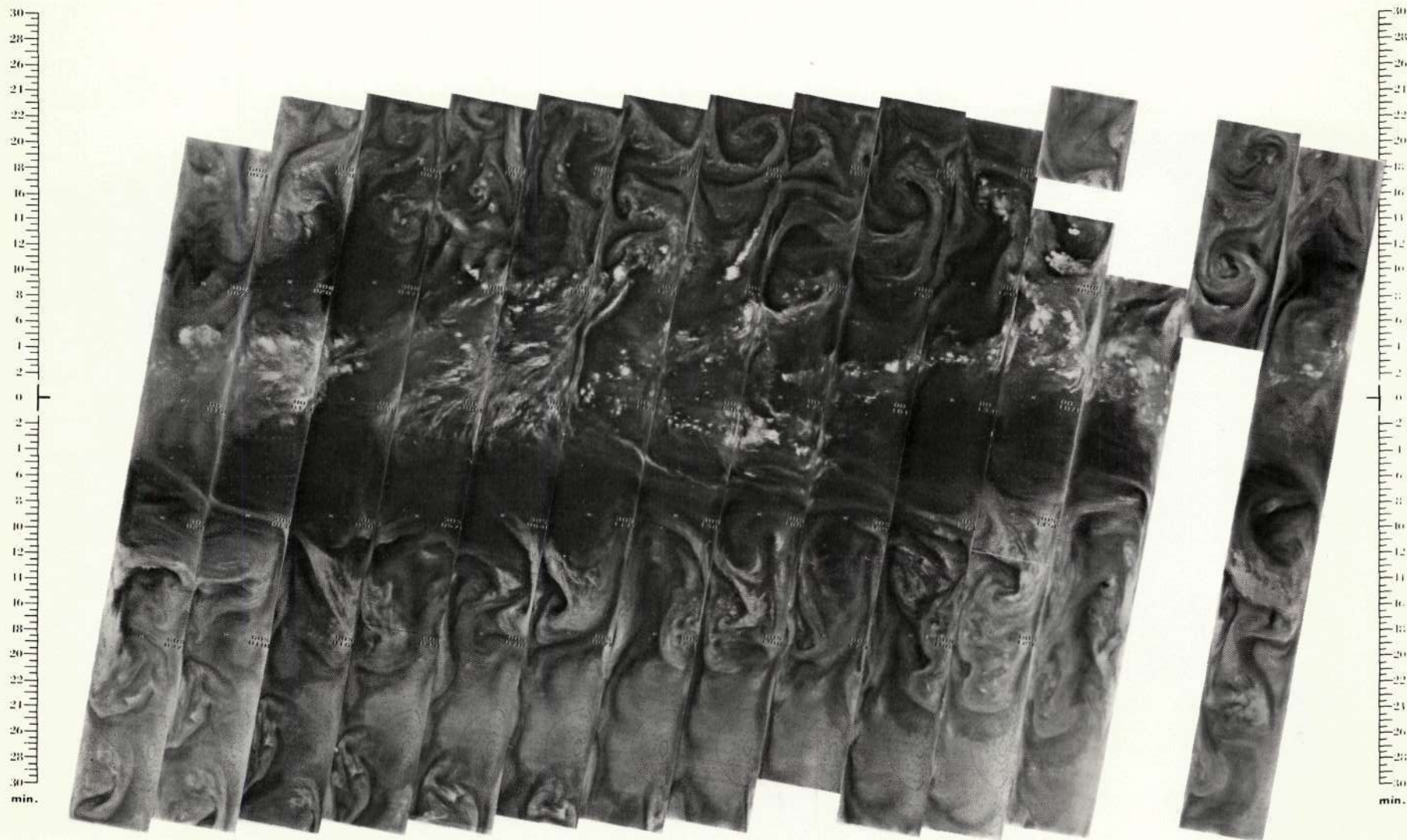


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17 JULY 1970

11.5 μ m

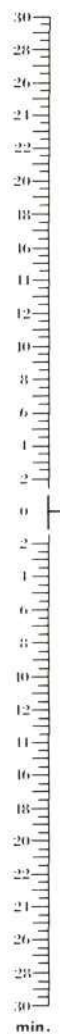


1352 1351 1350 1349 1348 1347 1346 1345 1344 1343 1342 1341 1340 1339

17 JULY 1970

6.7 μ m

4-38

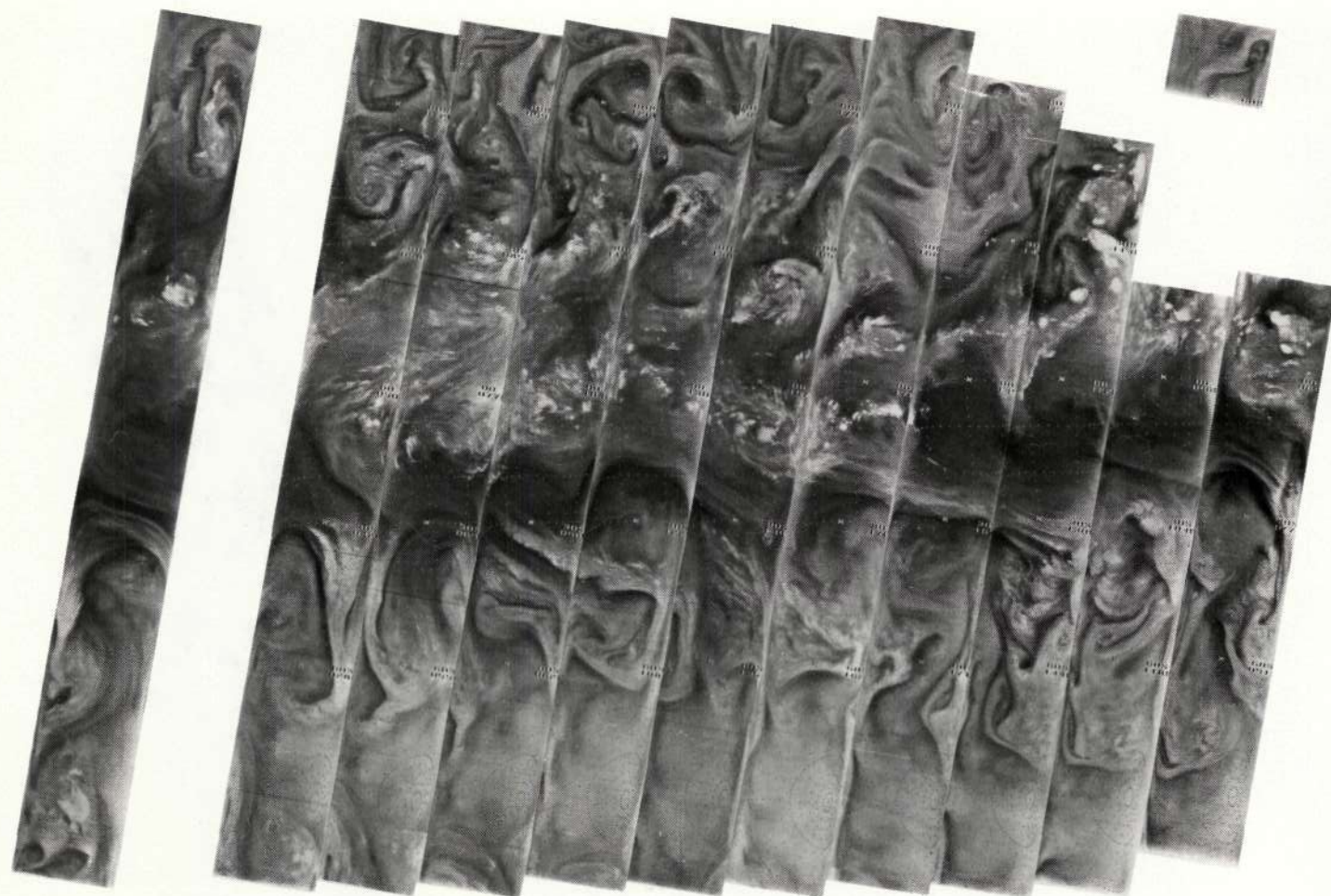


1365 1364 1363 1362 1361 1360 1359 1358 1357 1356 1355 1354 1353

18 JULY 1970

11.5 μ m

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18 JULY 1970

6.7 μ m

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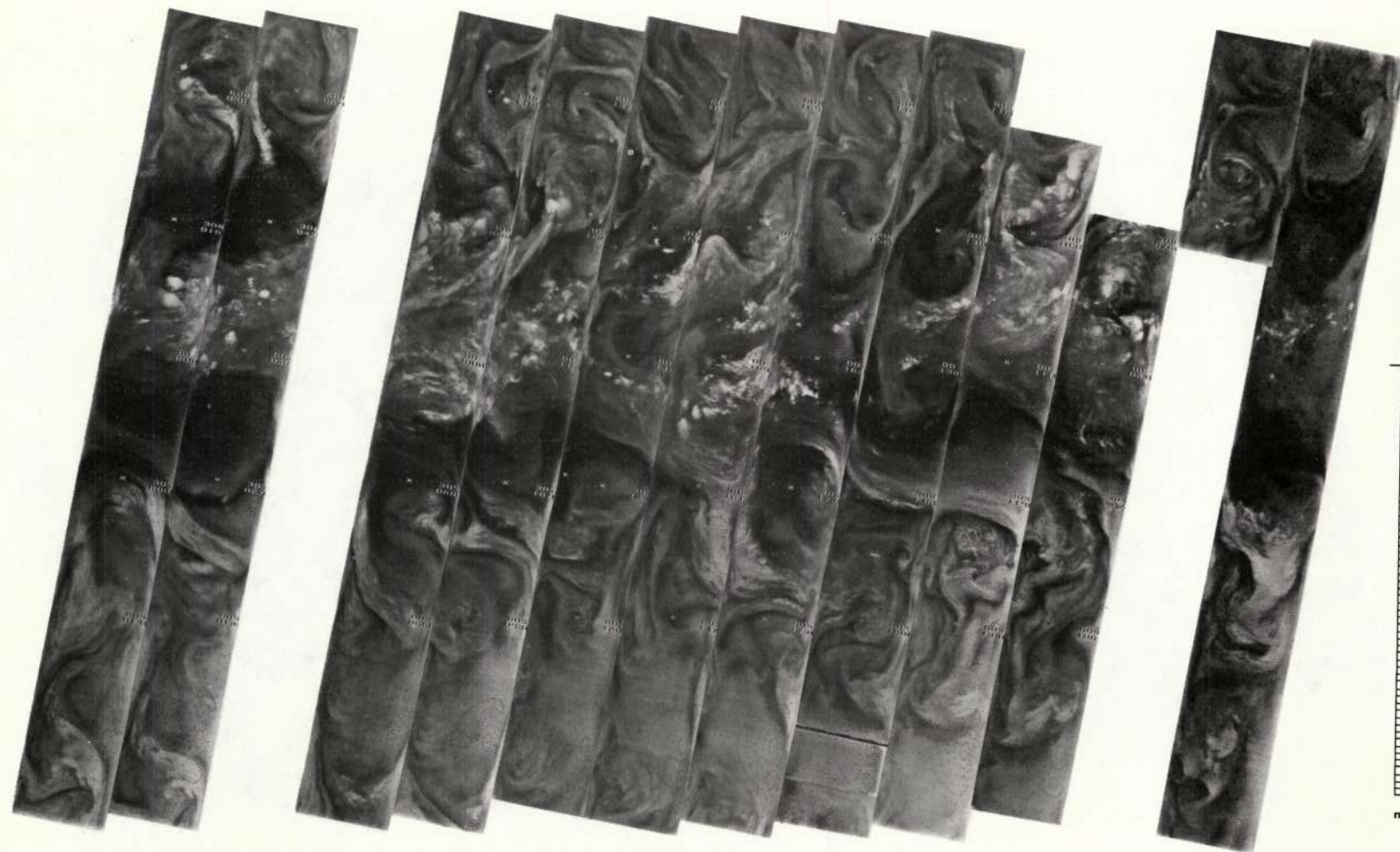
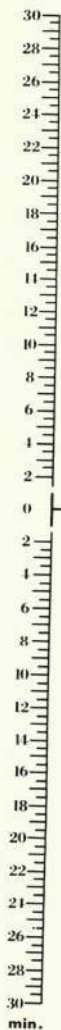
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1378 1377 1376 1375 1374 1373 1372 1371 1370 1369 1368 1367 1366

19 JULY 1970

11.5 μ m

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1378 1377 1376 1375 1374 1373 1372 1371 1370 1369 1368 1367 1366

19 JULY 1970

6.7 μ m

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1392 1391 1390 1389 1388 1387 1386 1385 1384 1383 1382 1381 1380 1379

20 JULY 1970

11.5 μ m

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20 JULY 1970

6.7 μ m

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1405 1404 1403 1402 1401 1400 1399 1398 1397 1396 1395 1394 1393

21 JULY 1970

6.7 μ m

4-46



1419 1418 1417 1416 1415 1414 1413 1412 1411 1410 1409 1408 1407 1406

22 JULY 1970

11.5 μ m

4-47

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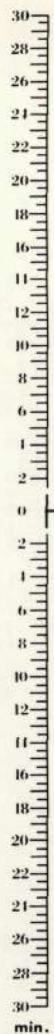


1419 1418 1417 1416 1415 1414 1413 1412 1411 1410 1409 1408 1407 1406

22 JULY 1970

6.7 μ m

4-48



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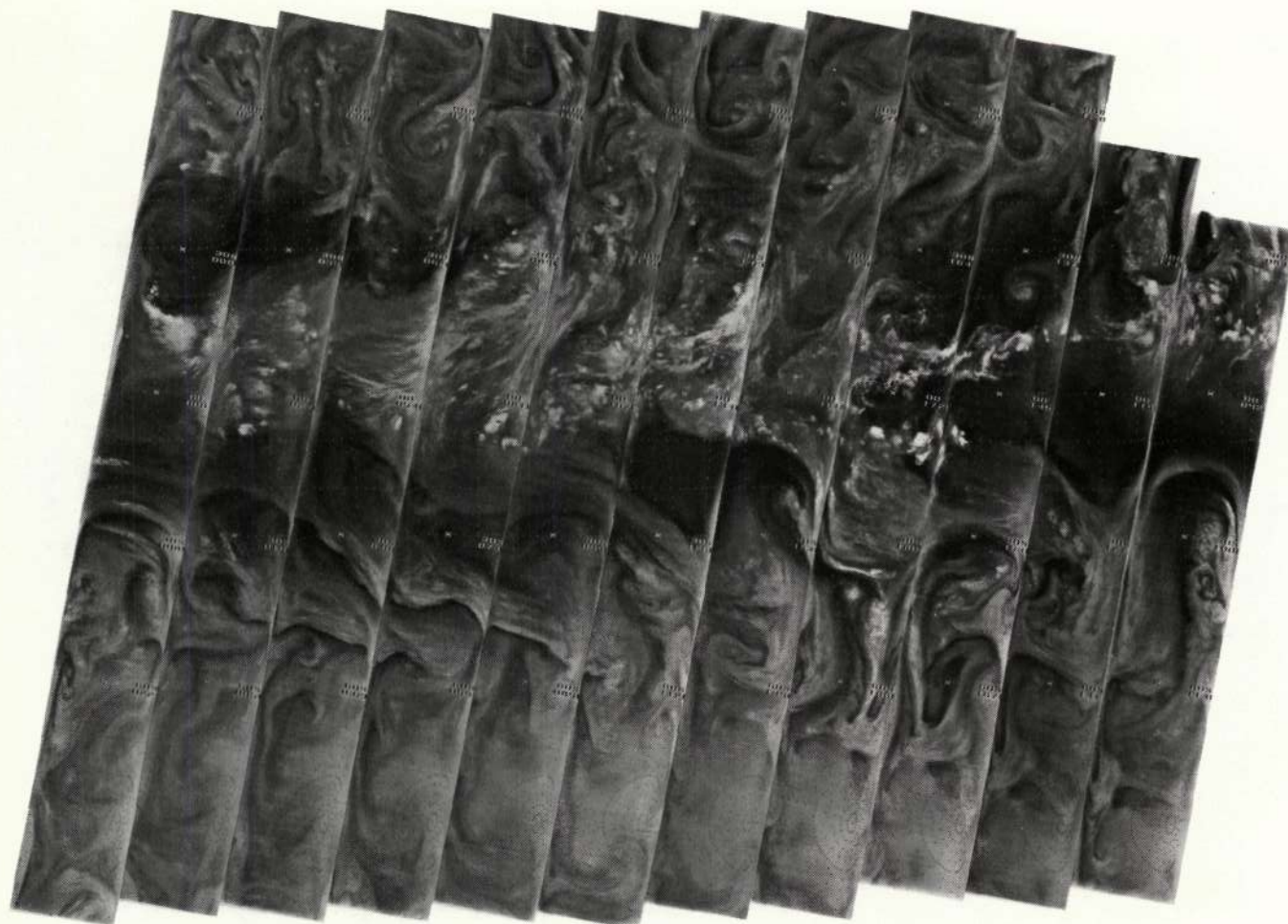
1432 1431 1430 1429 1428 1427 1426 1425 1424 1423 1422 1421 1420

23 JULY 1970

11.5 μ m

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23 JULY 1970

6.7μm

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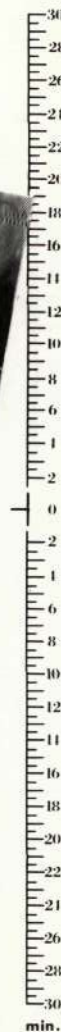
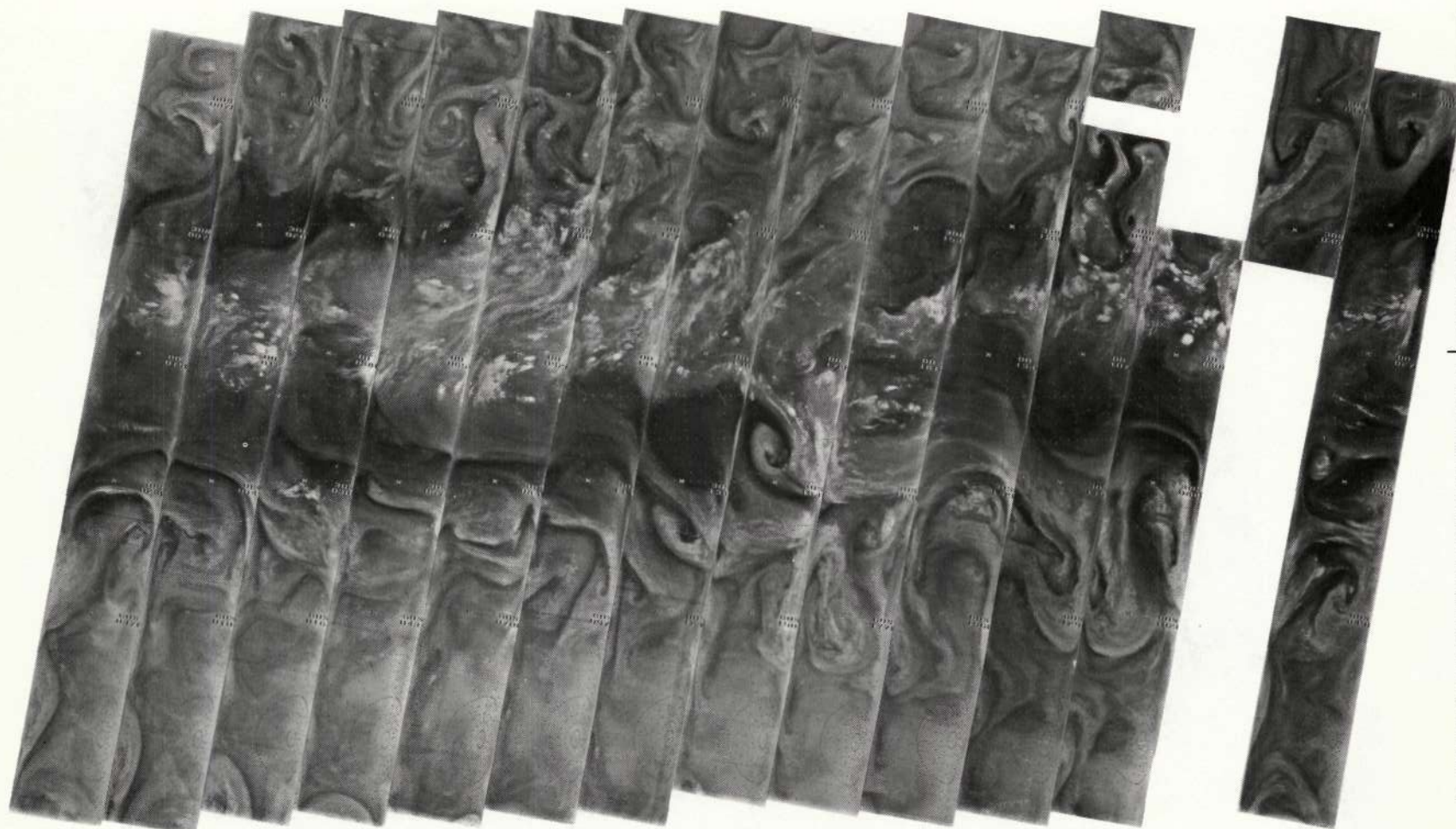
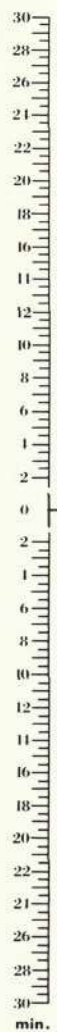
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24 JULY 1970

11.5 μ m

4-51



24 JULY 1970

6.7 μ m

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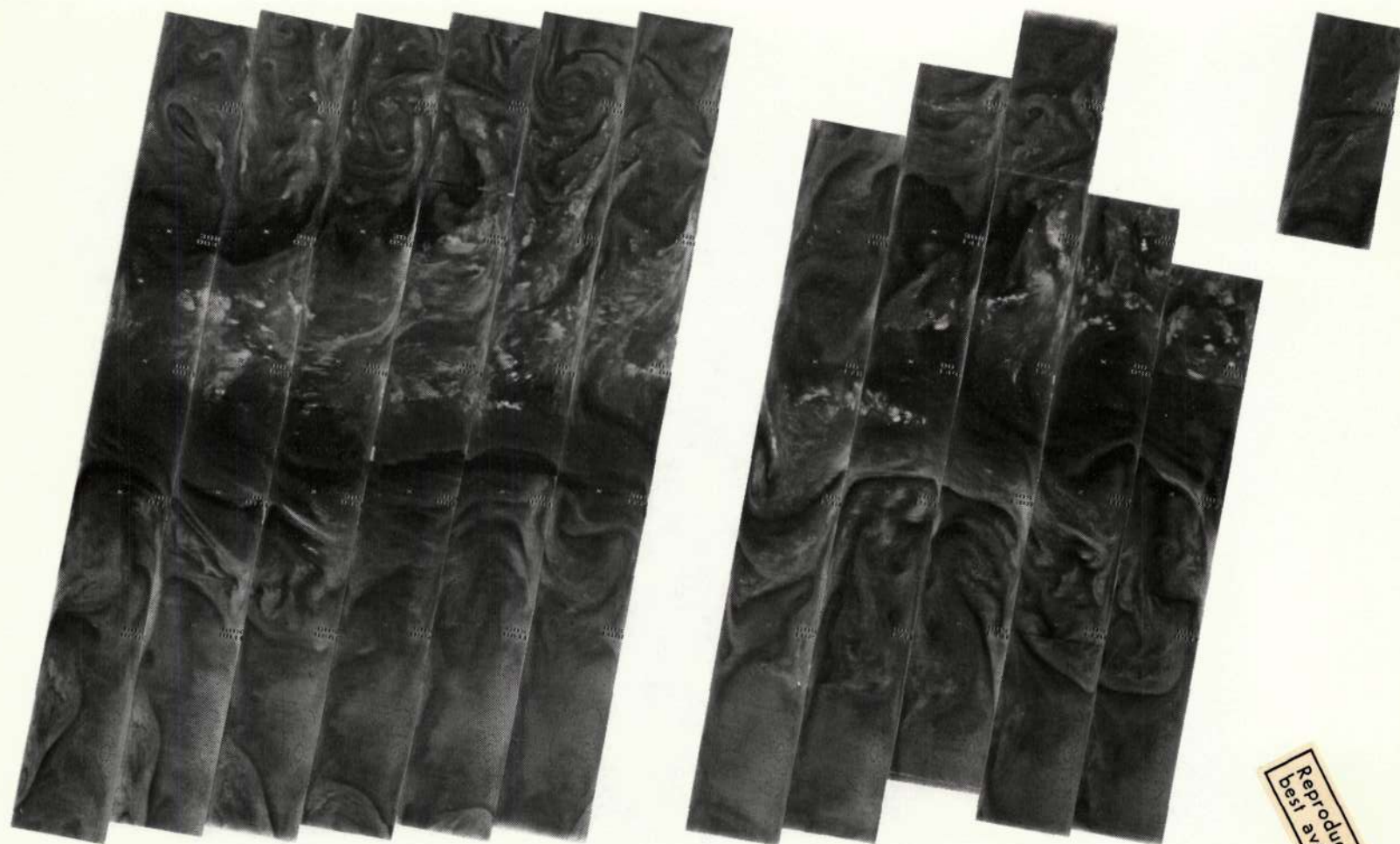


1459 1458 1457 1456 1455 1454 1453 1452 1451 1450 1449 1448 1447

25 JULY 1970

11.5 μ m

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25 JULY 1970

6.7 μ m

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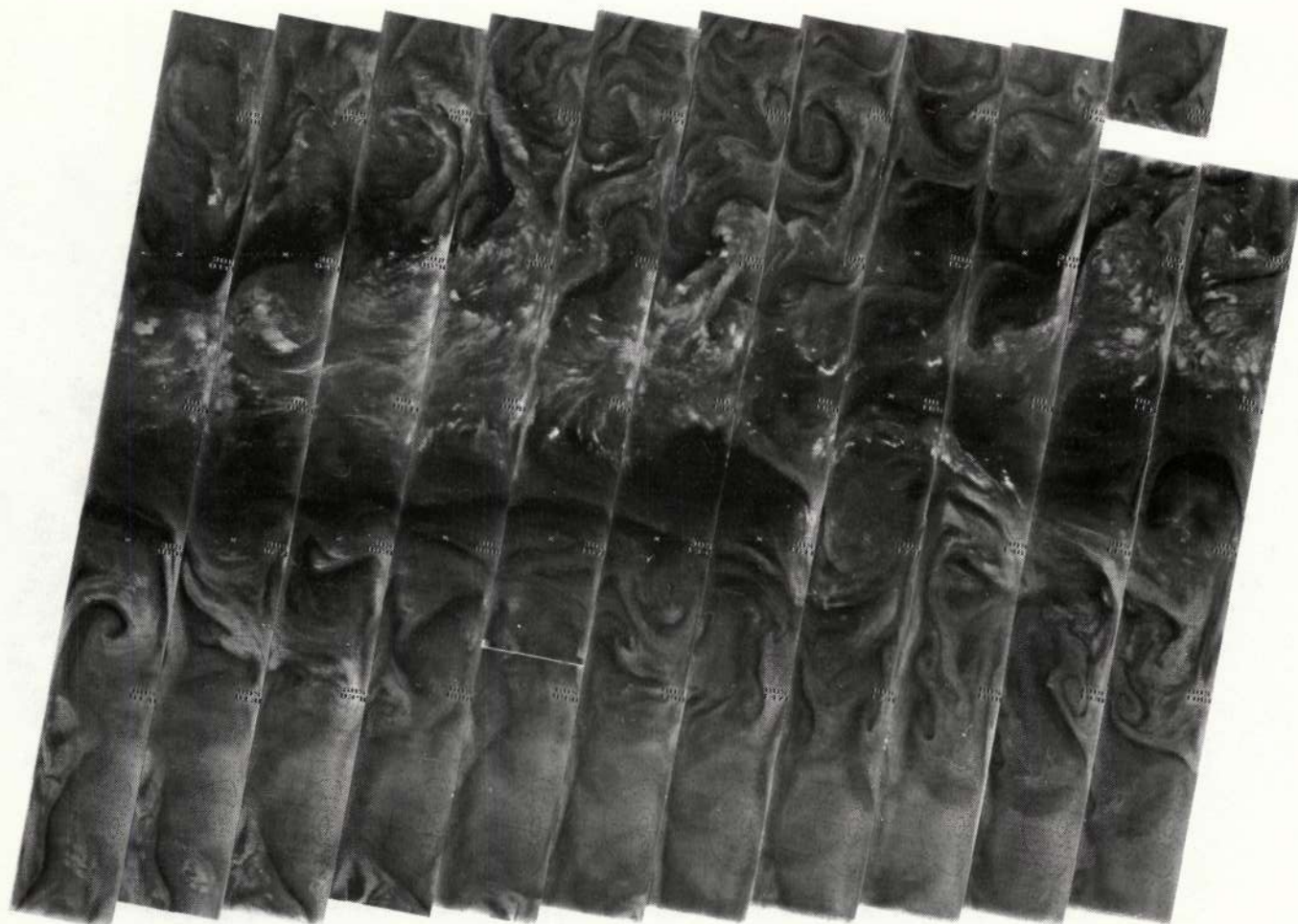
26 JULY 1970

11.5μm

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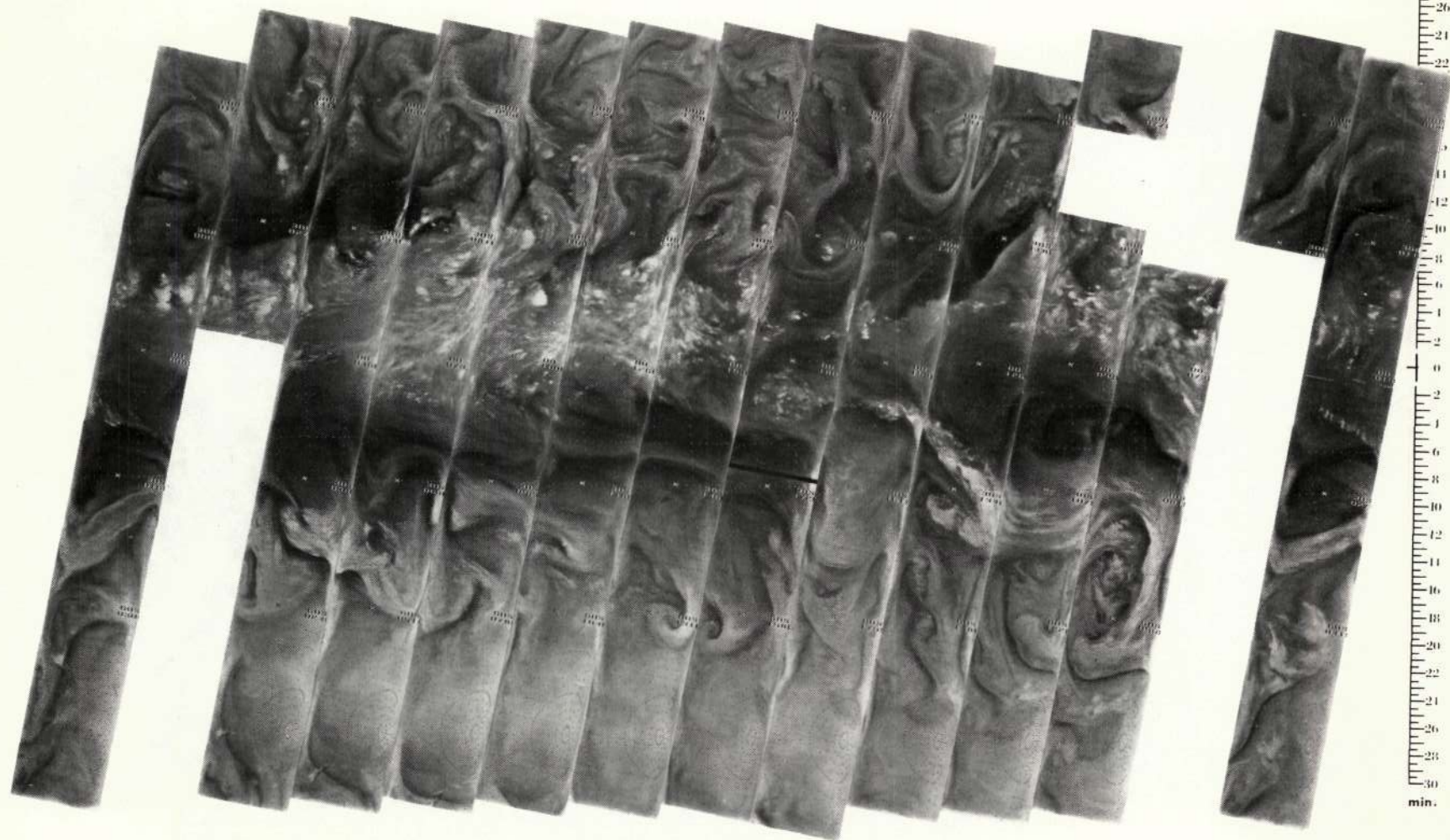
26 JULY 1970

6.7 μ m

11.5 μm

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27 JULY 1970

6.7 μ m

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28 JULY 1970

11.5 μ m

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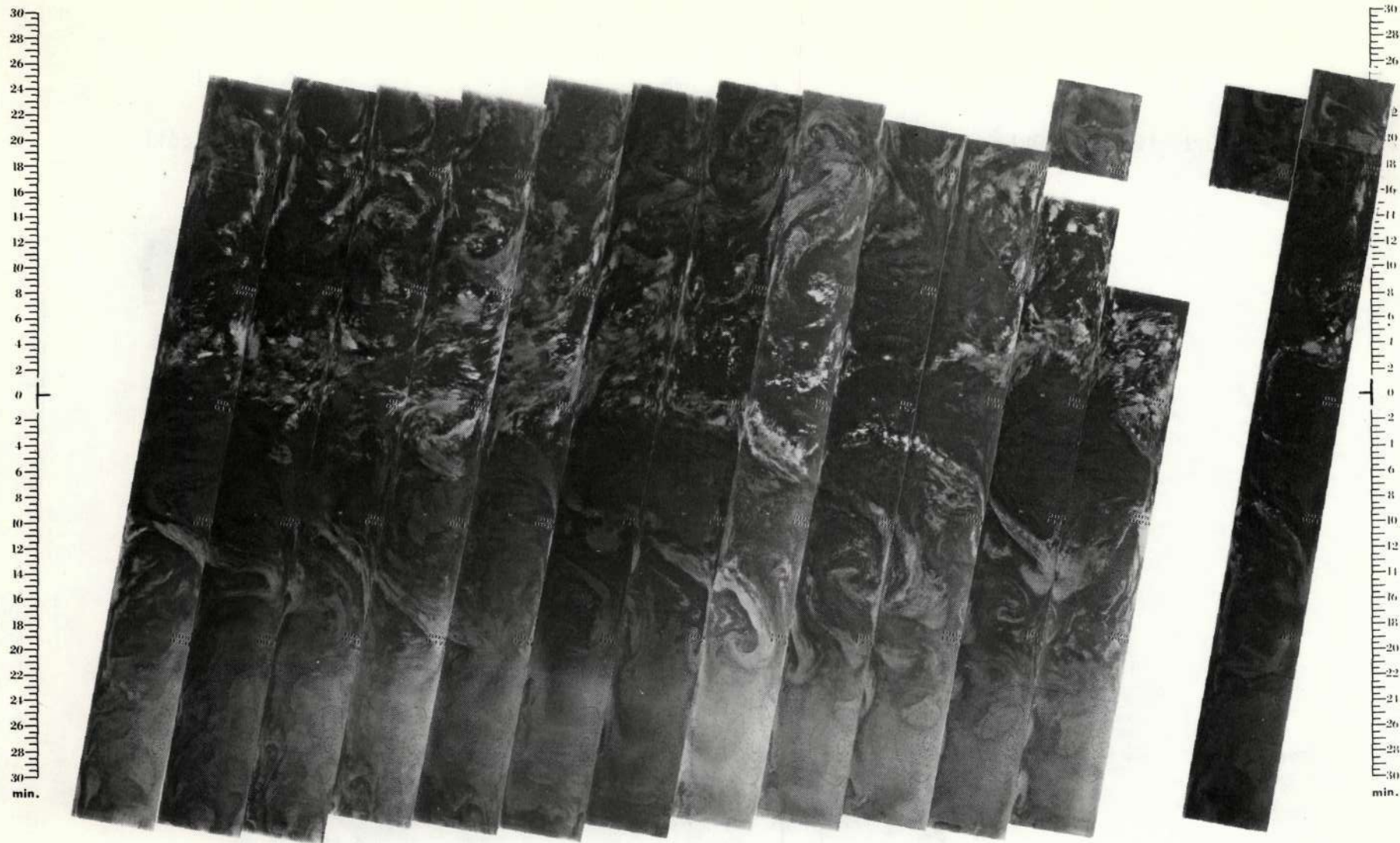
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28 JULY 1970

6.7 μ m

4-60



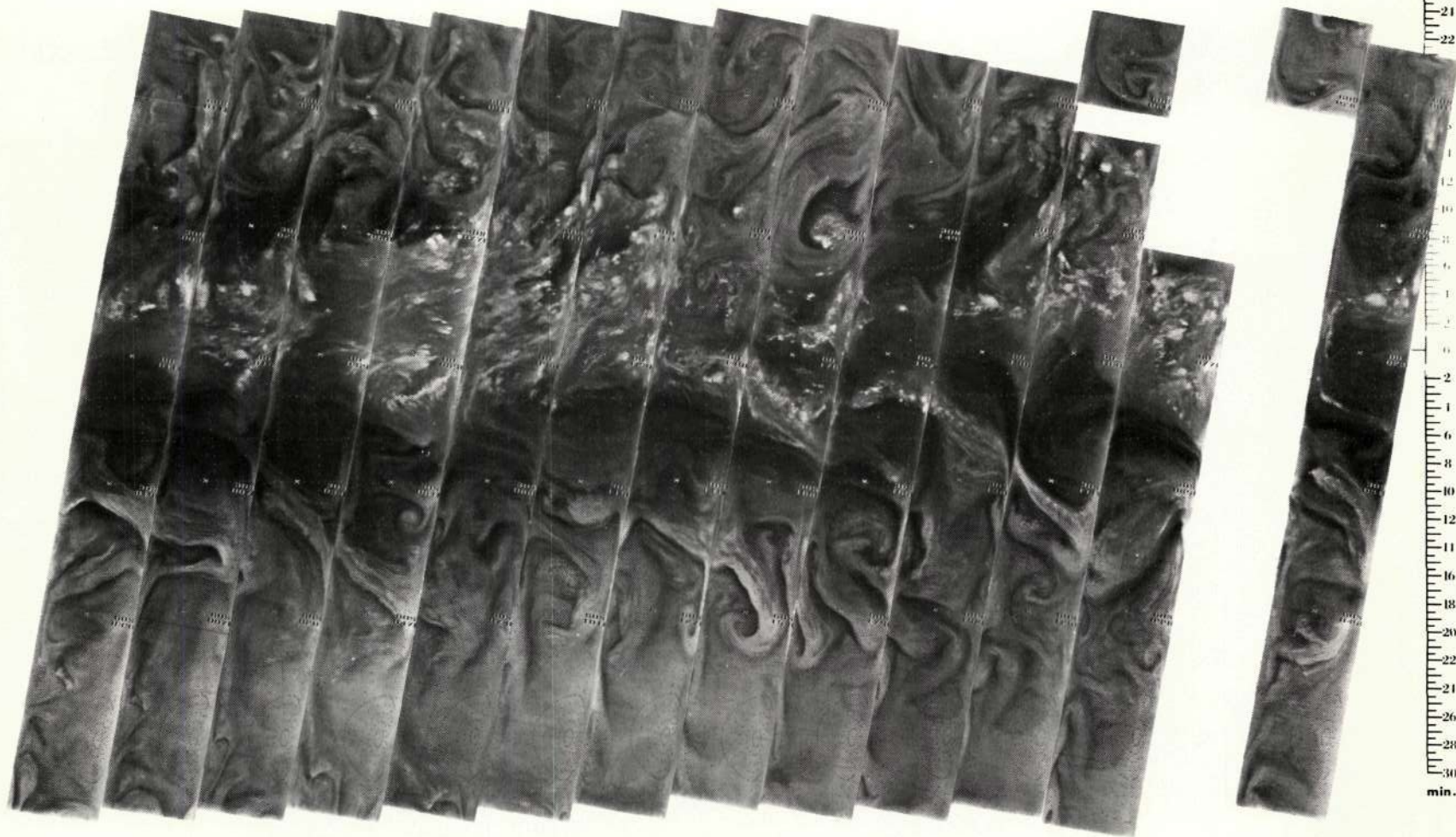
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29 JULY 1970

11.5 μ m

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29 JULY 1970

6.7 μ m

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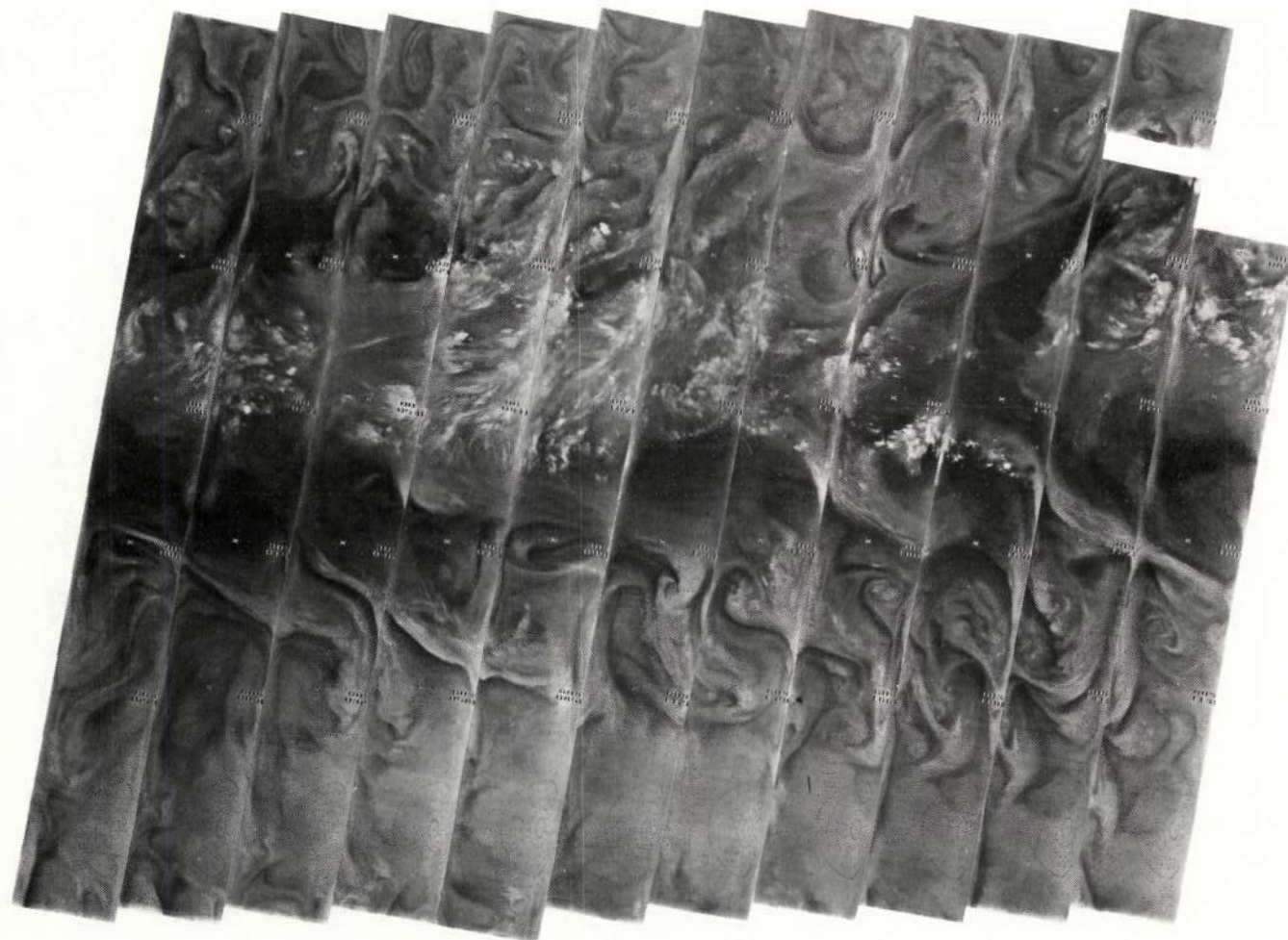
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30 JULY 1970

11.5 μ m

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30 JULY 1970

6.7 μ m

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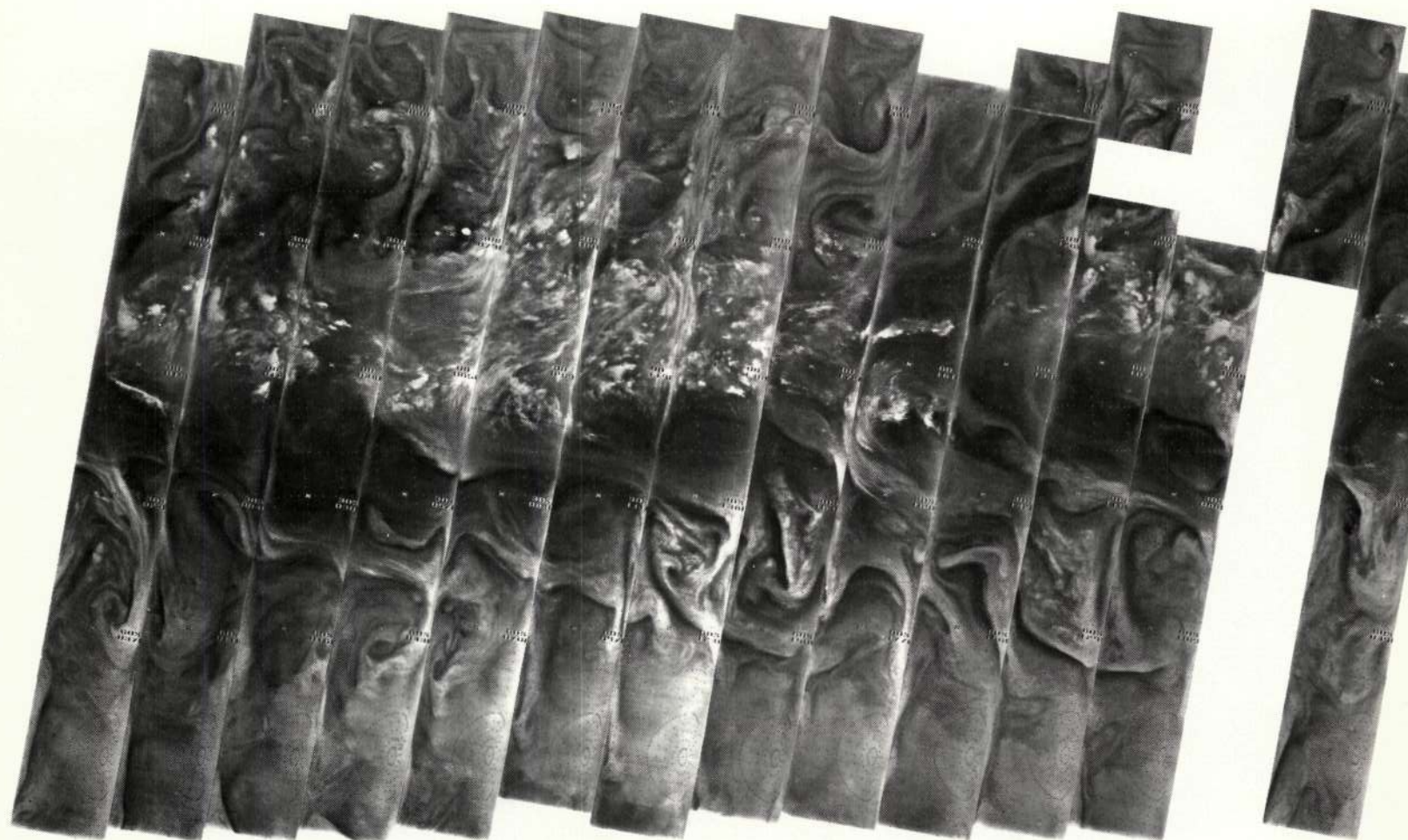


31 JULY 1970

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31 JULY 1970

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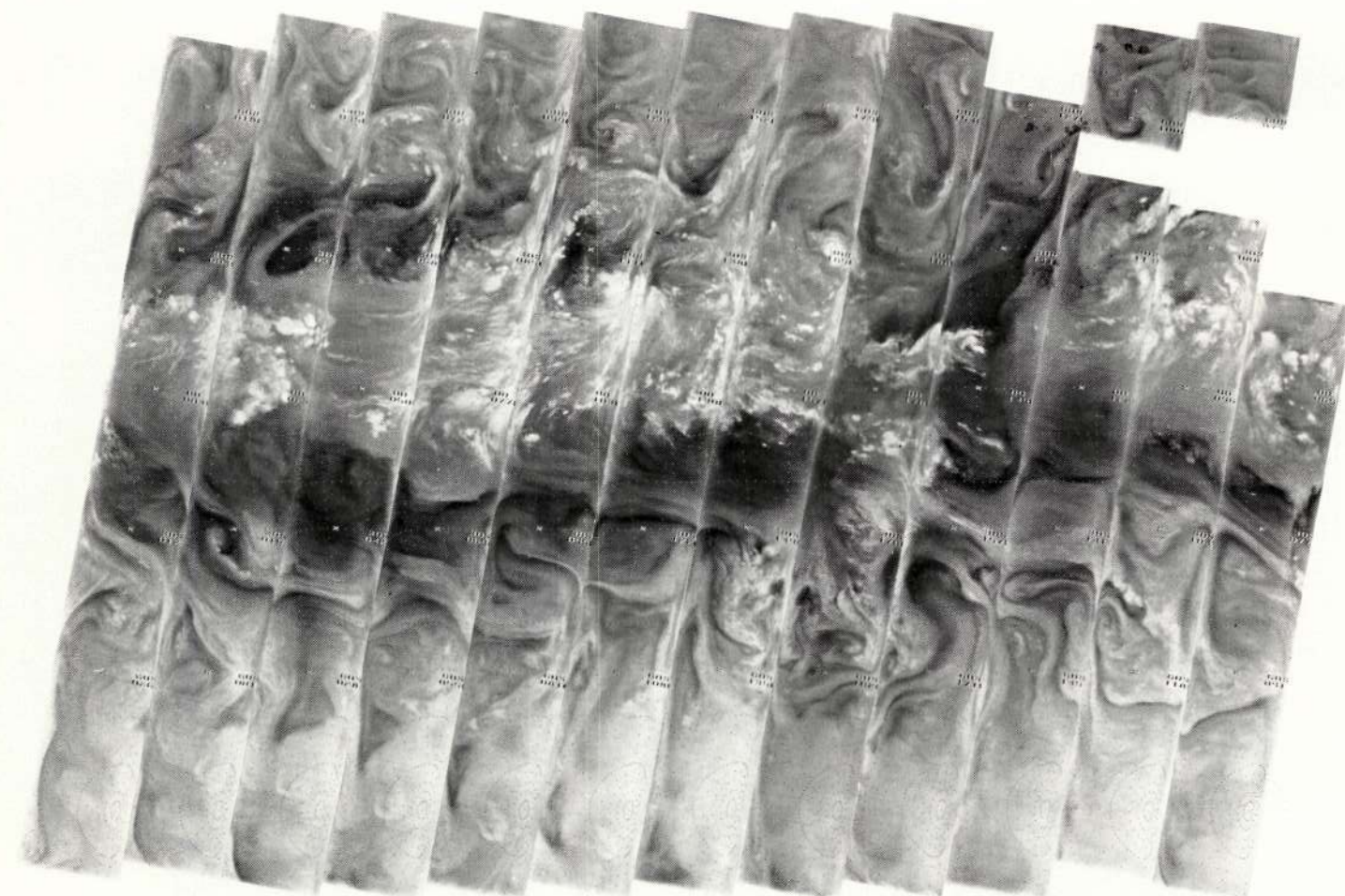


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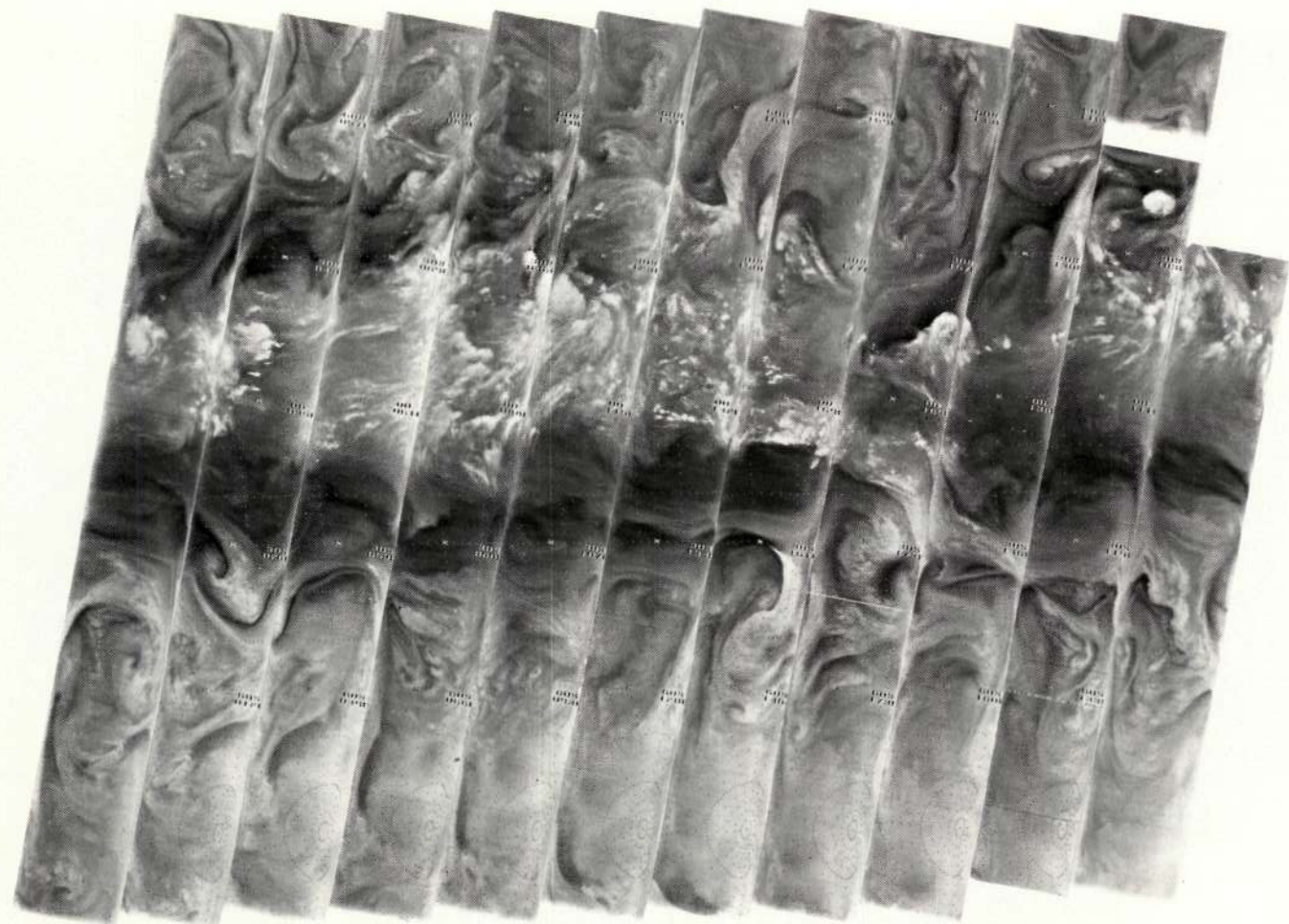


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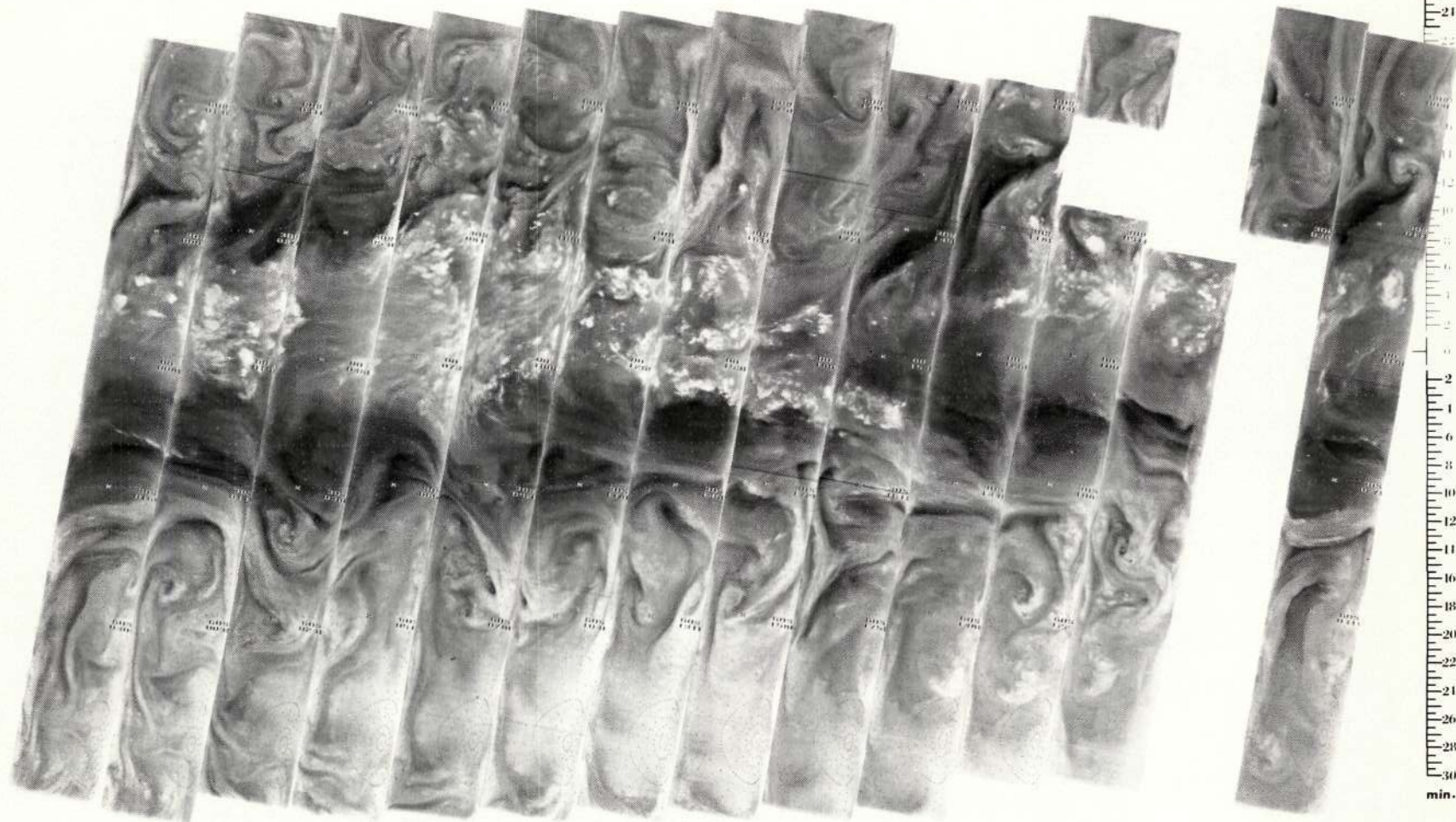
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3 AUGUST 1970

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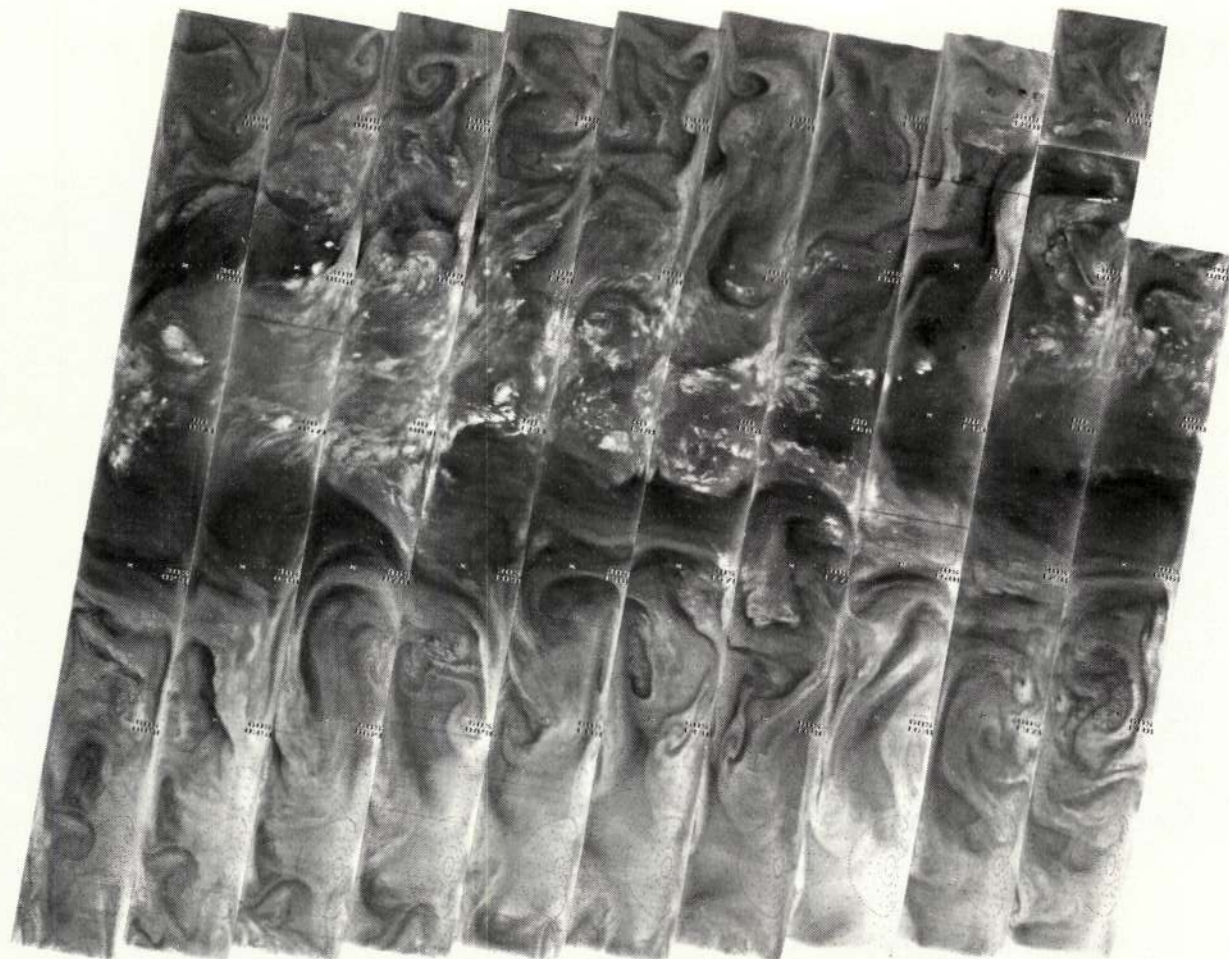
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4 AUGUST 1970

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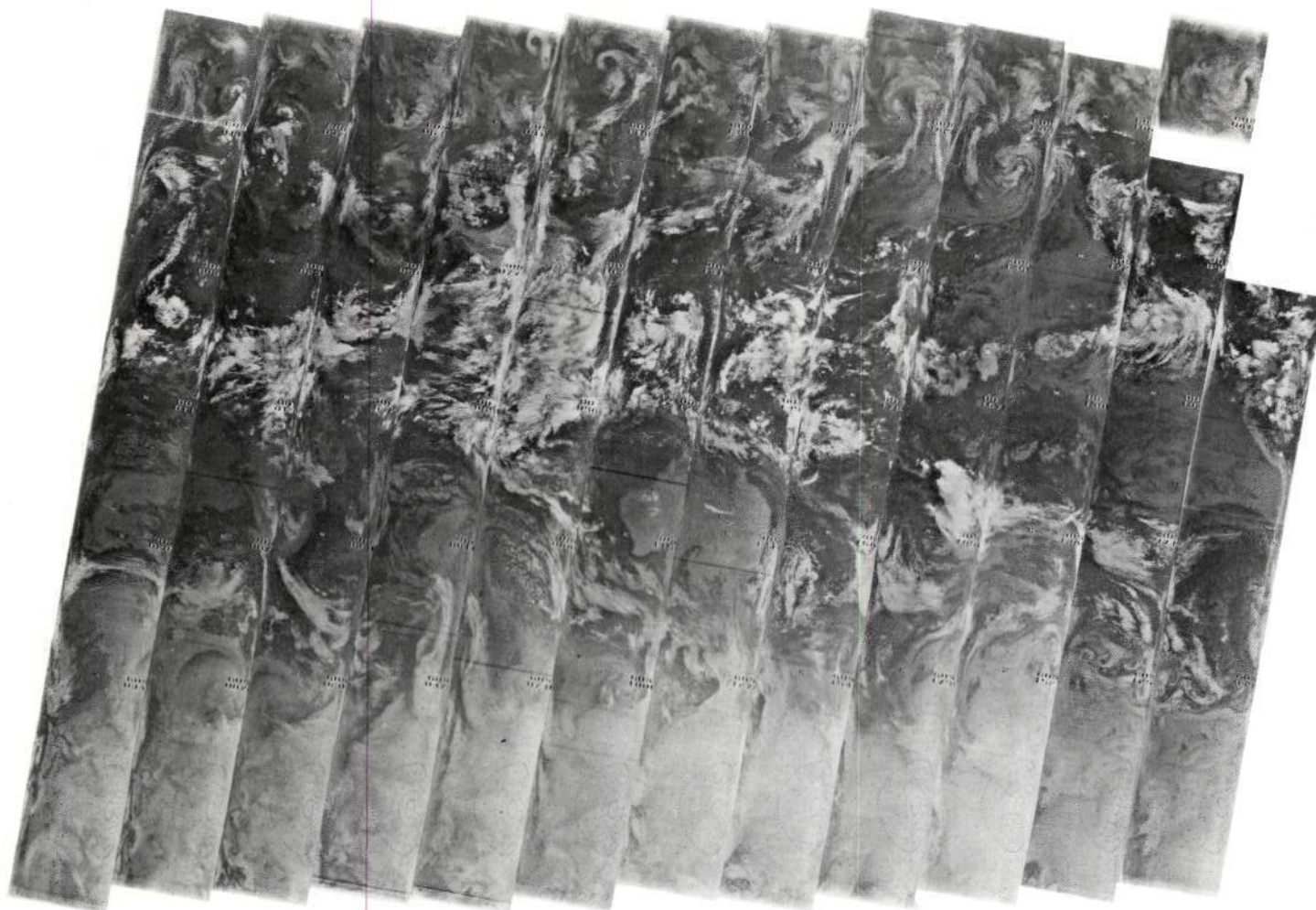
6.7 μ m

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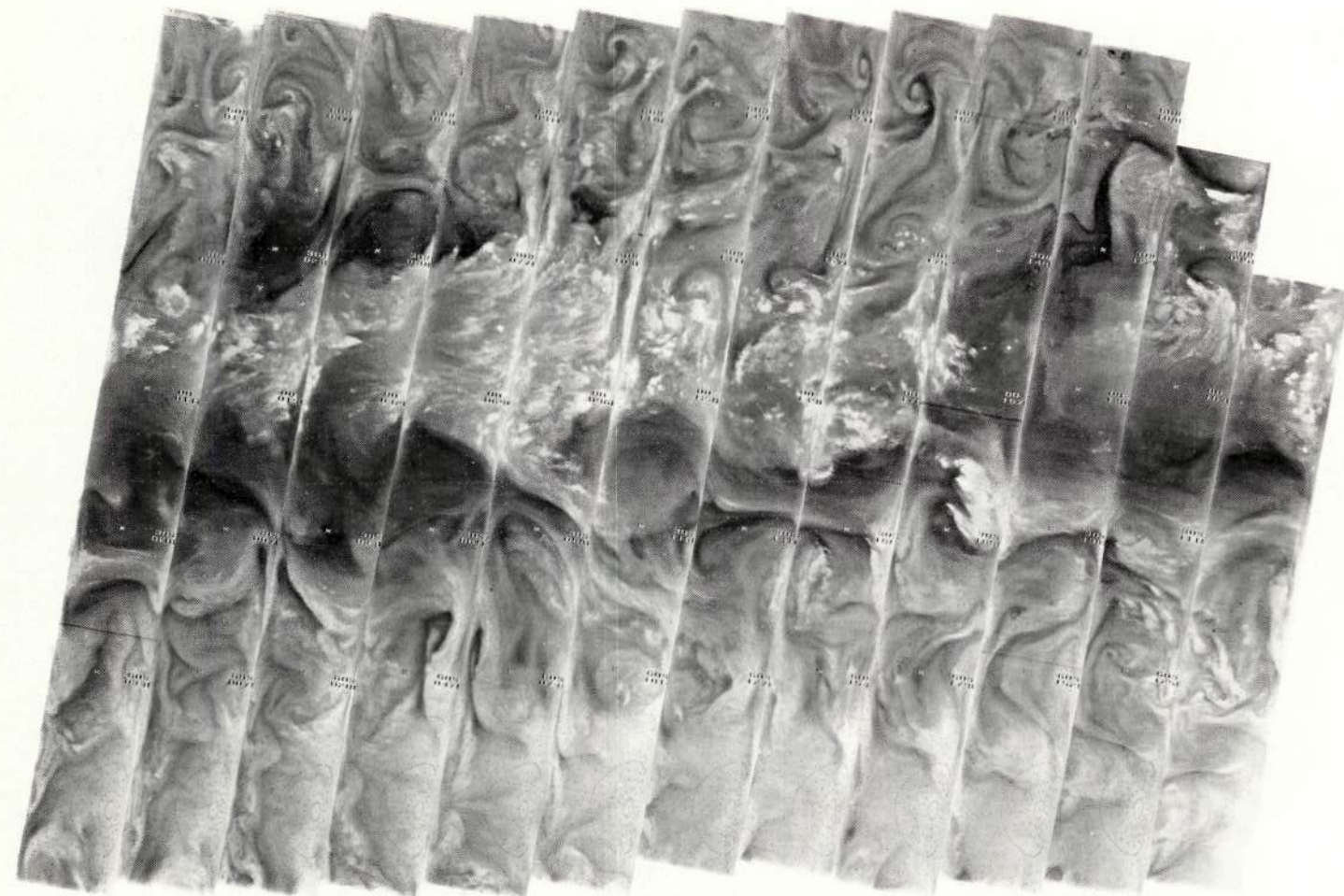
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5 AUGUST 1970

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5 AUGUST 1970

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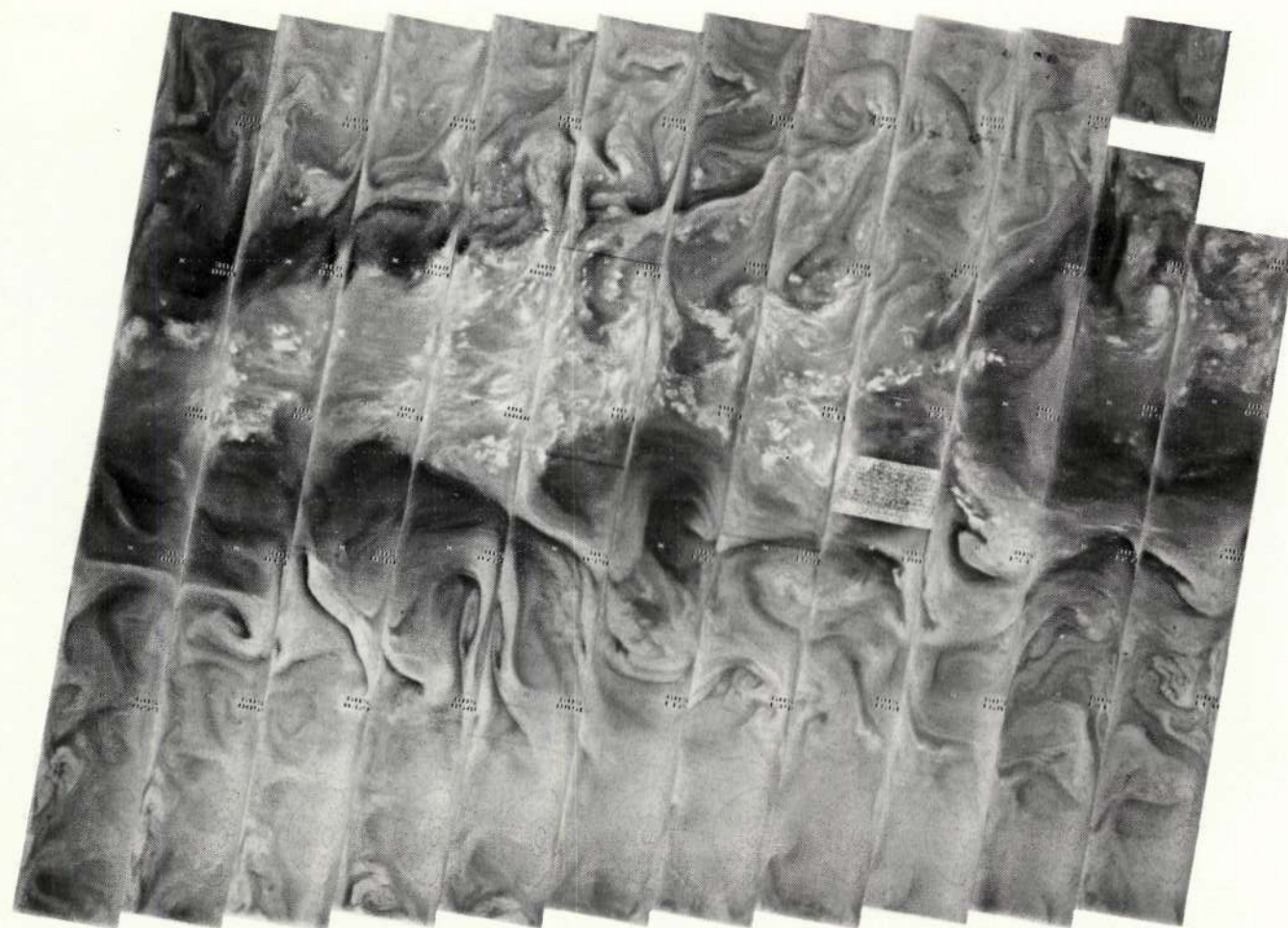
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6 AUGUST 1970

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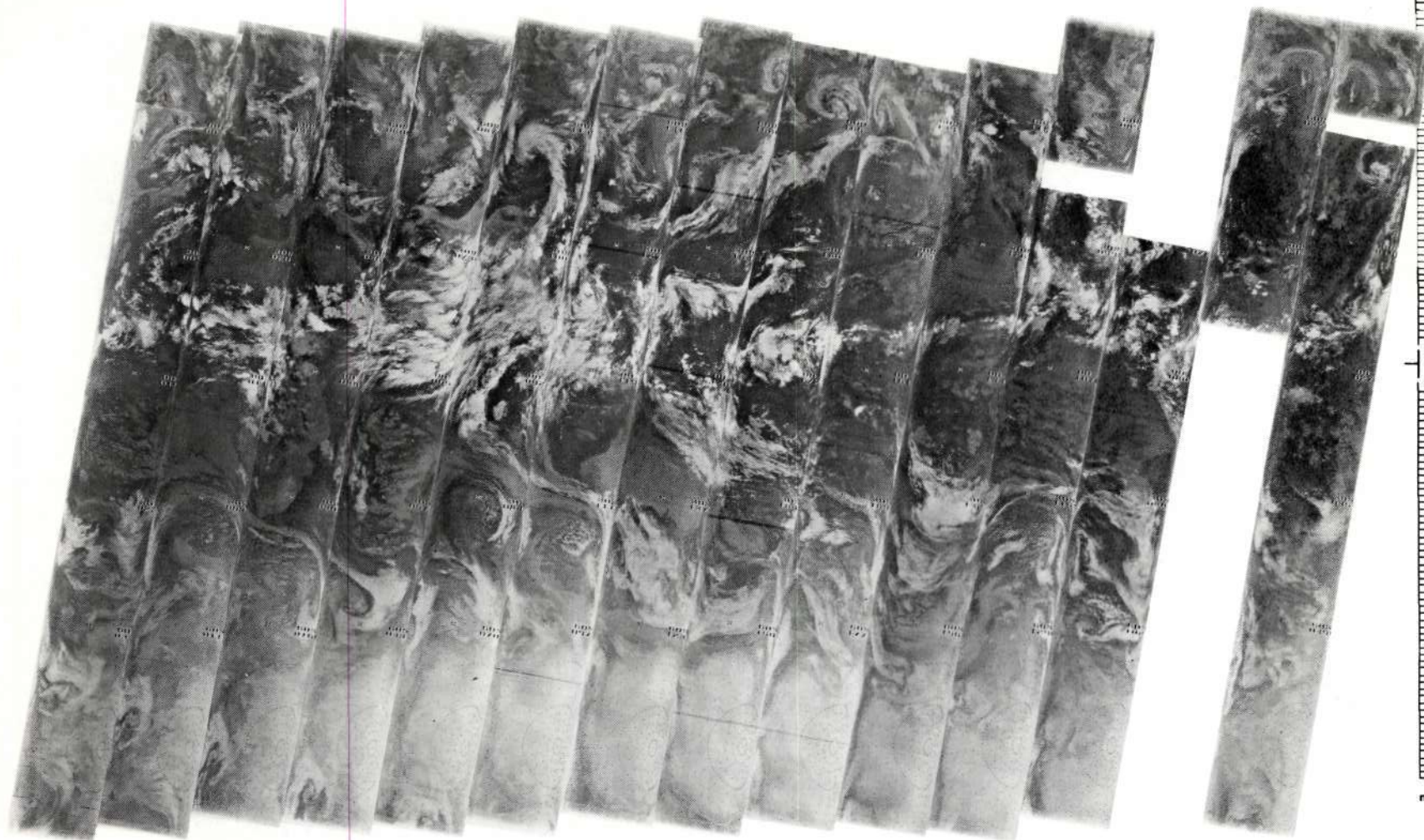
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6 AUGUST 1970

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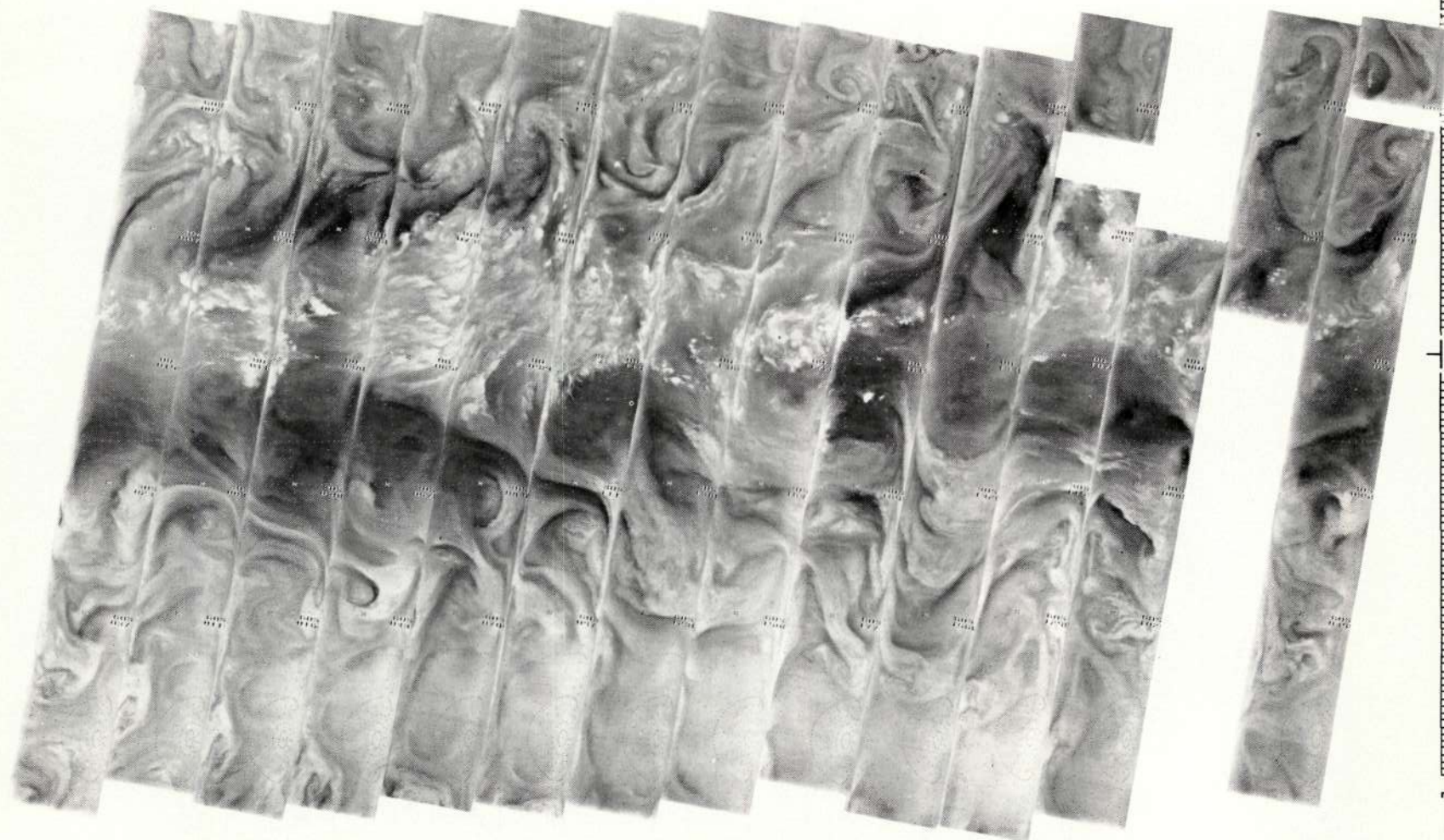
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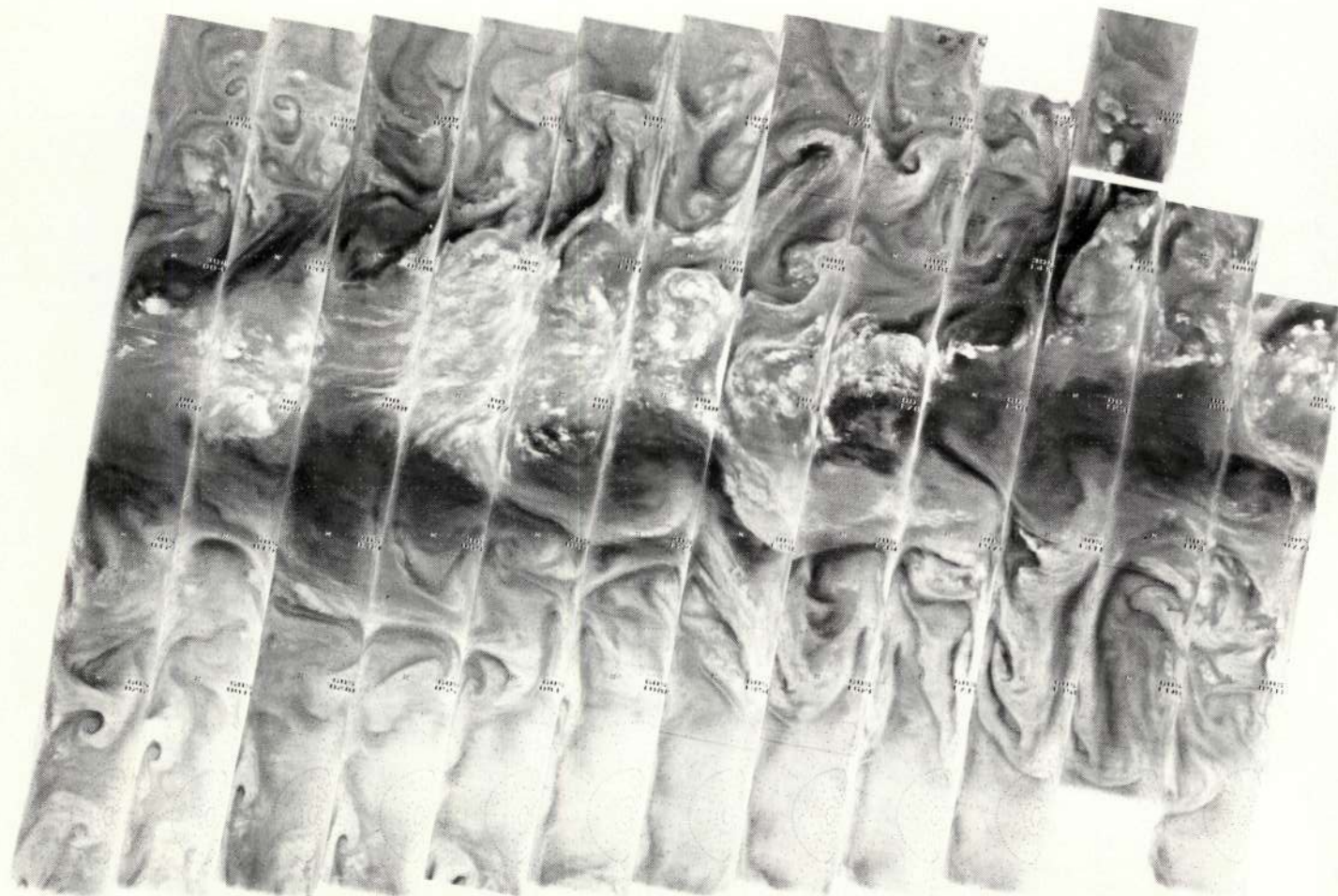
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8 AUGUST 1970

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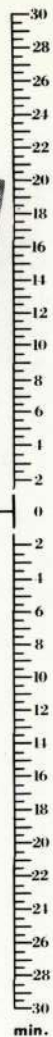


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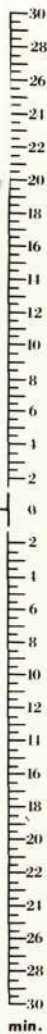
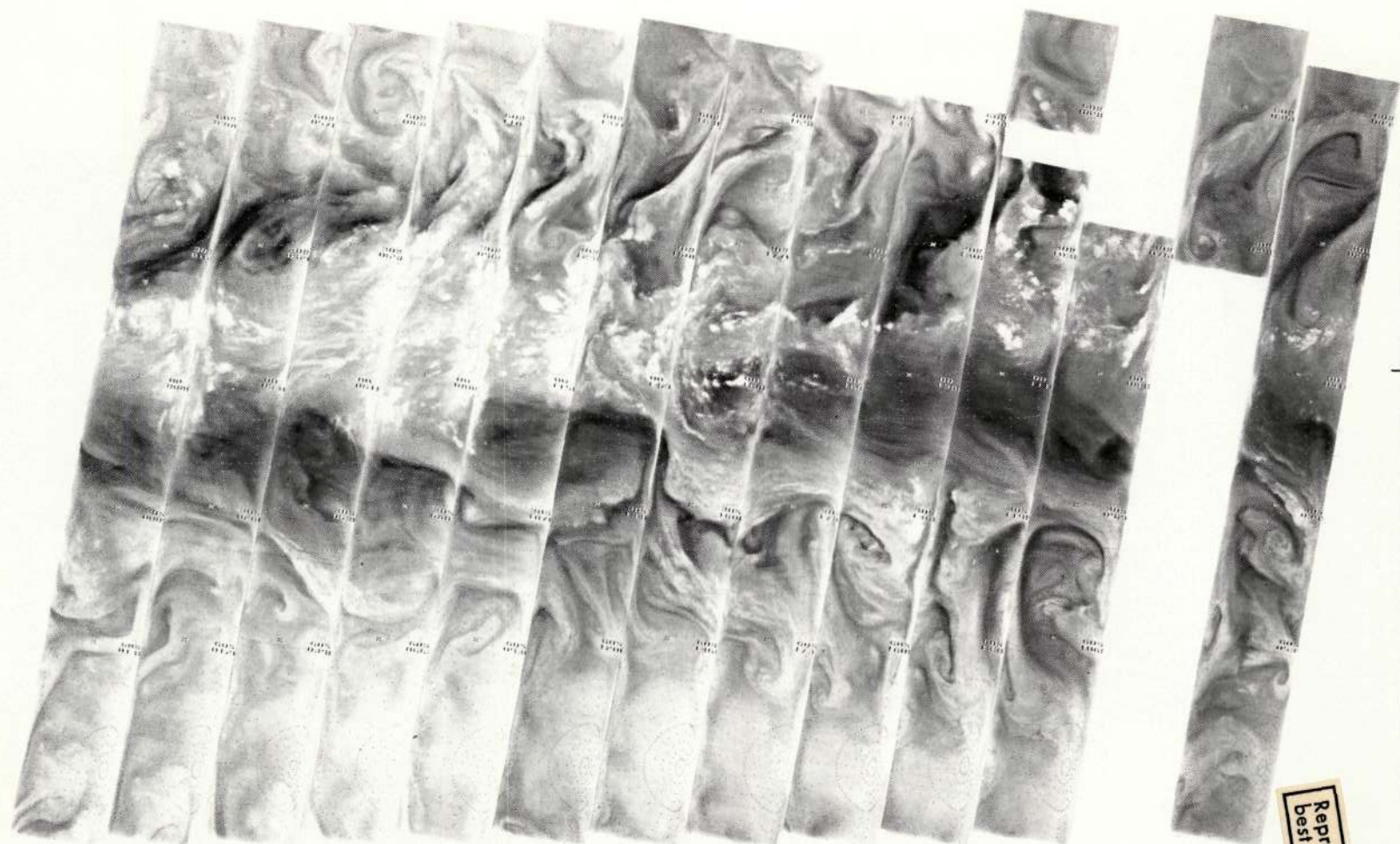
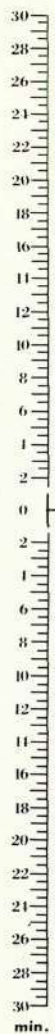
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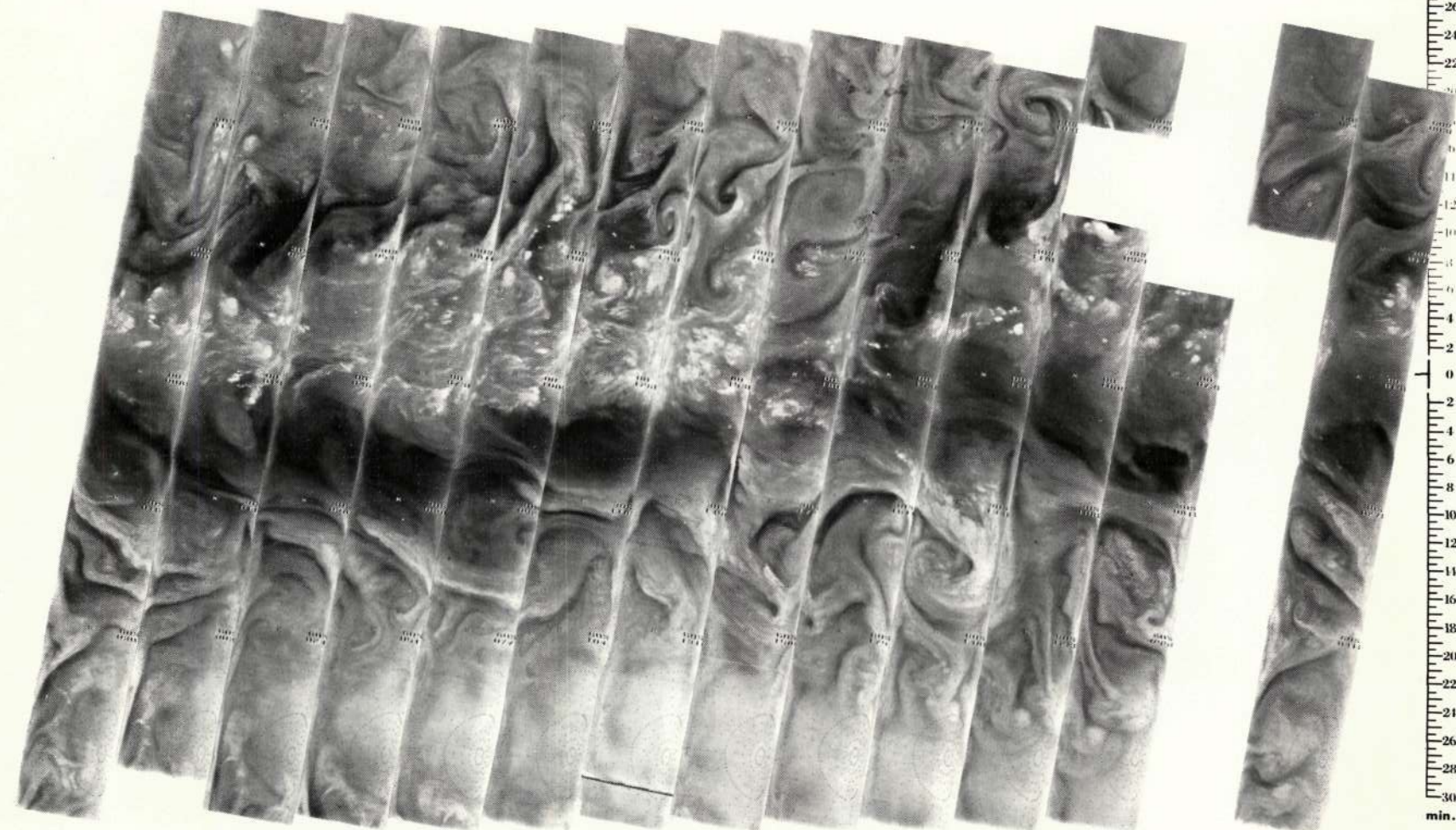
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10 AUGUST 1970

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10 AUGUST 1970

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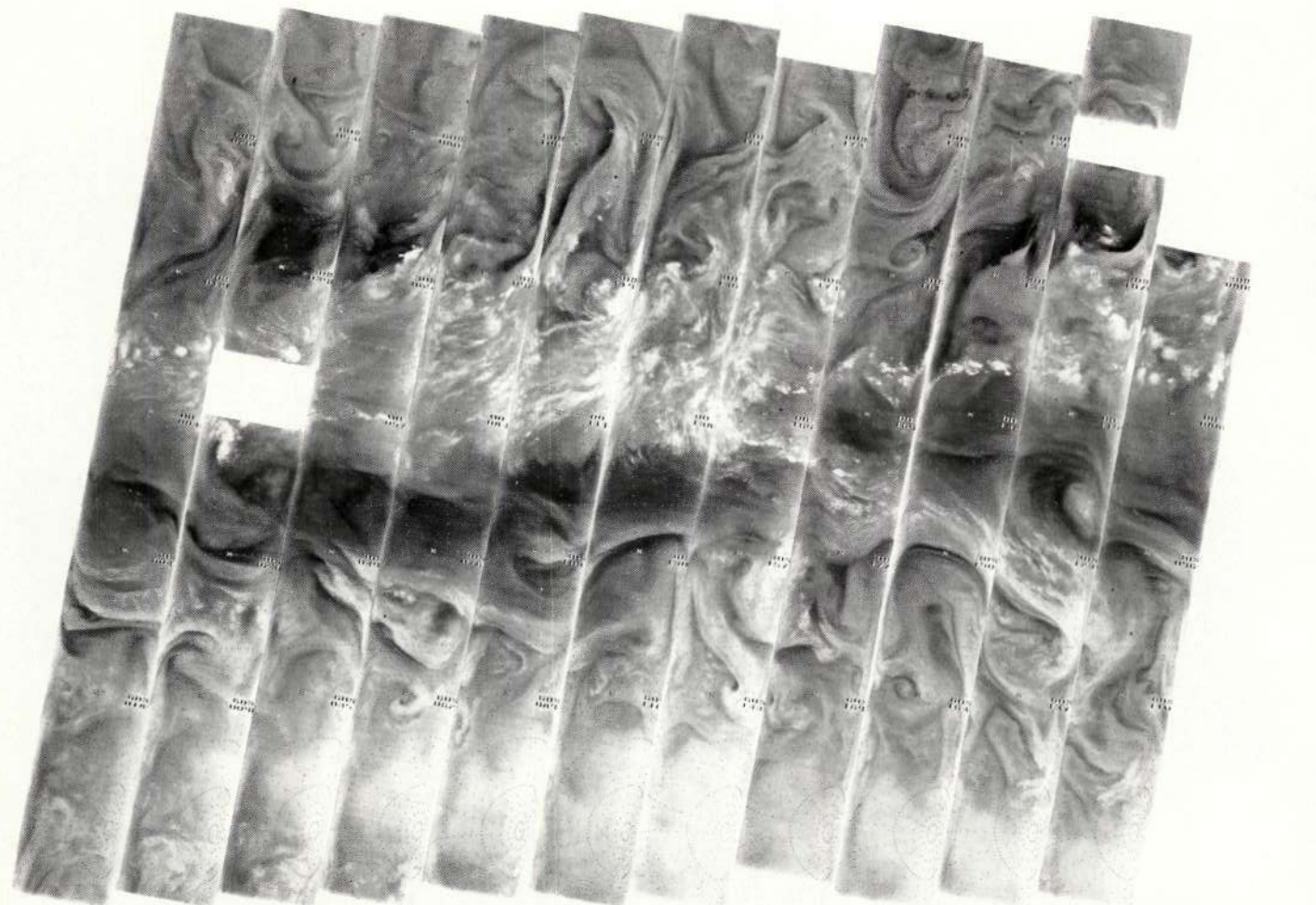
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11 AUGUST 1970

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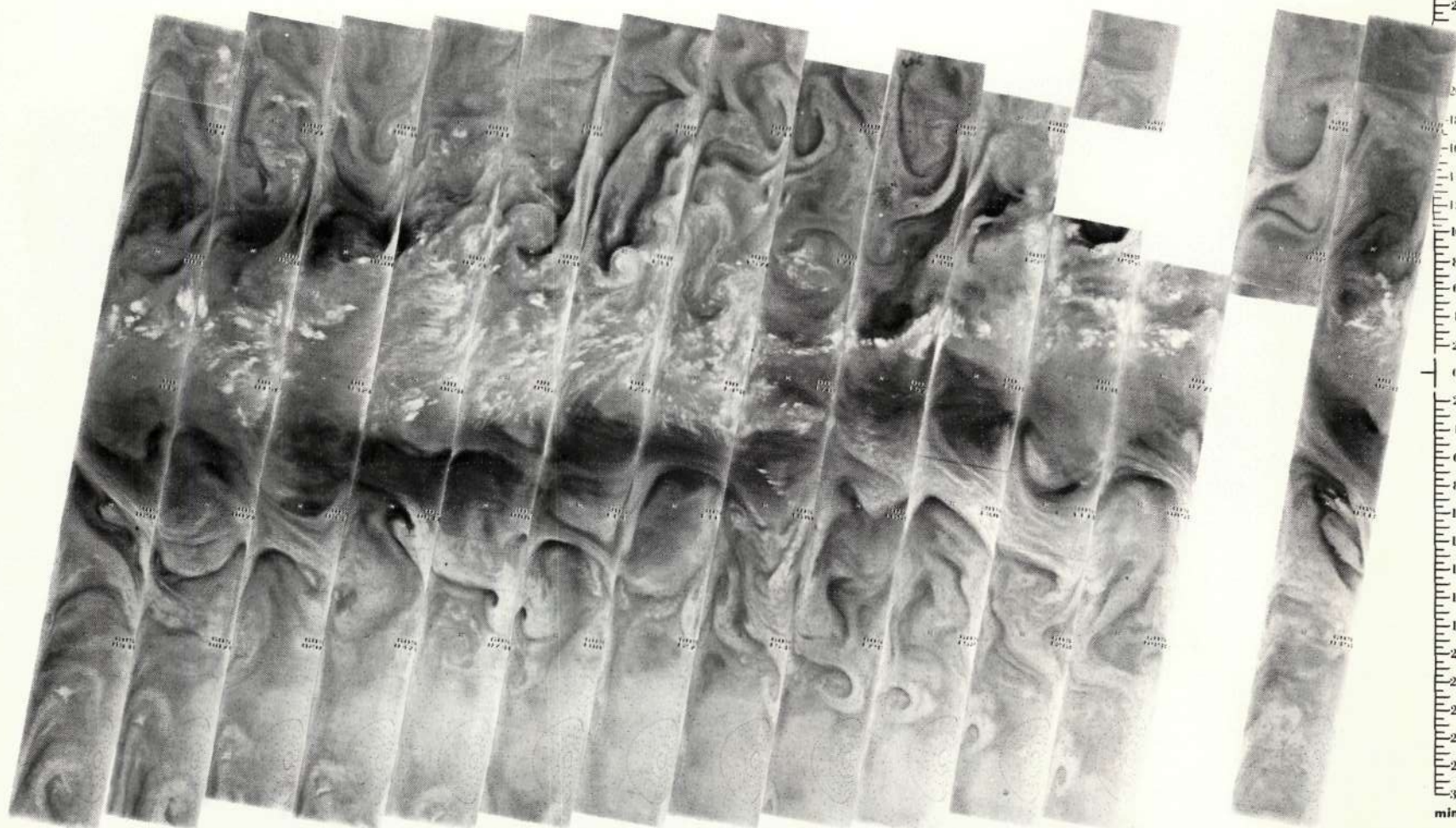
12 AUGUST 1970

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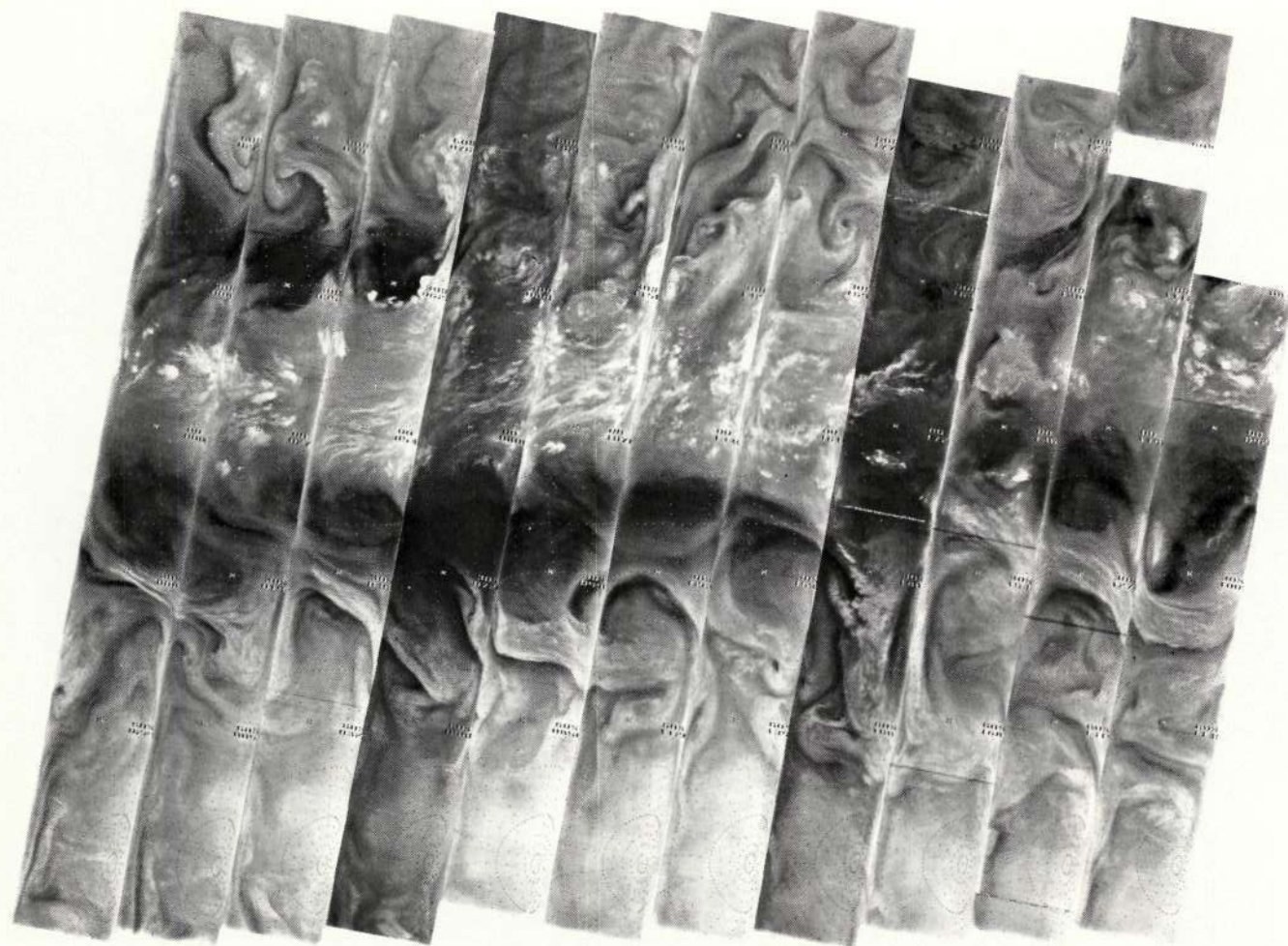
13 AUGUST 1970

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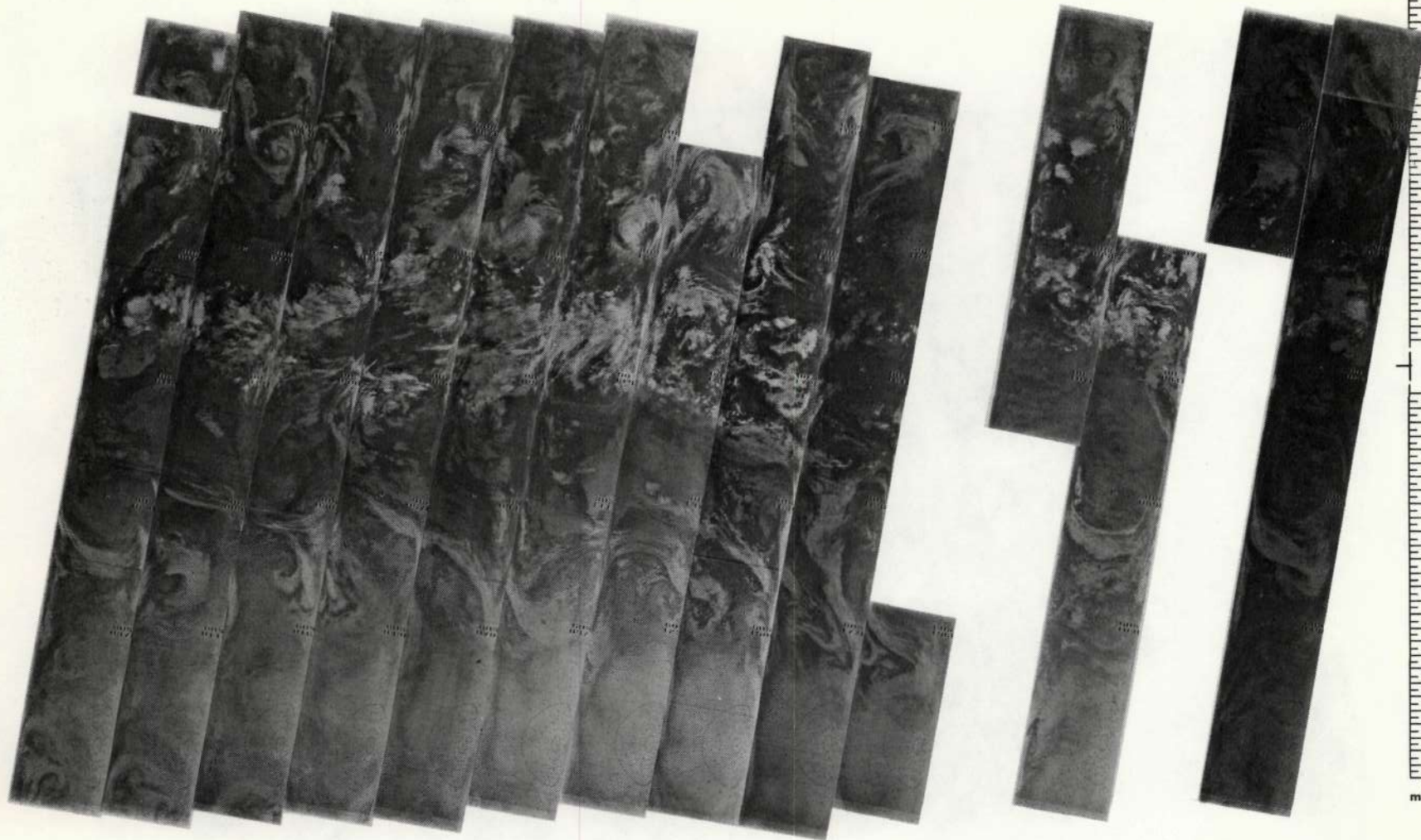
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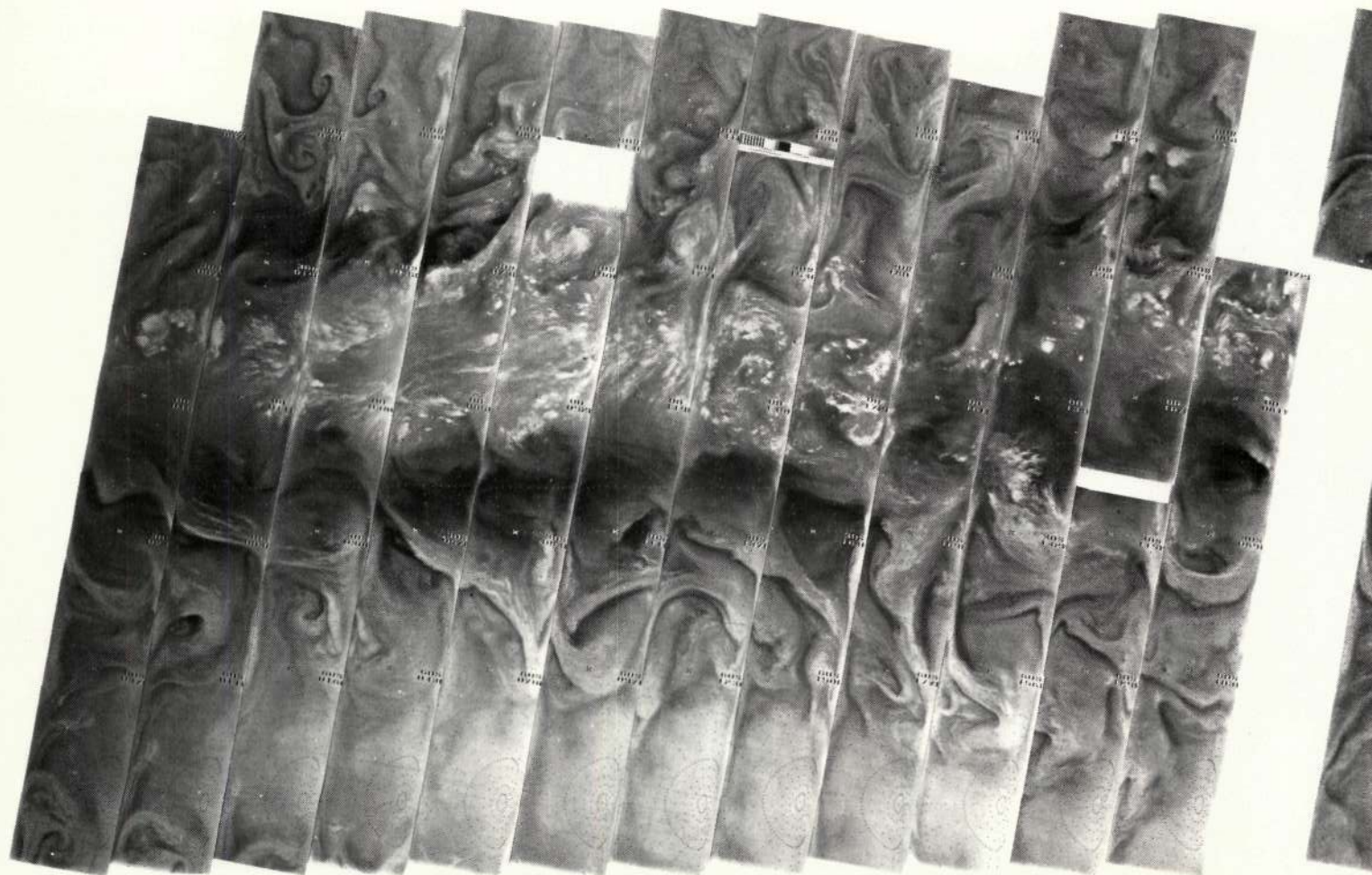
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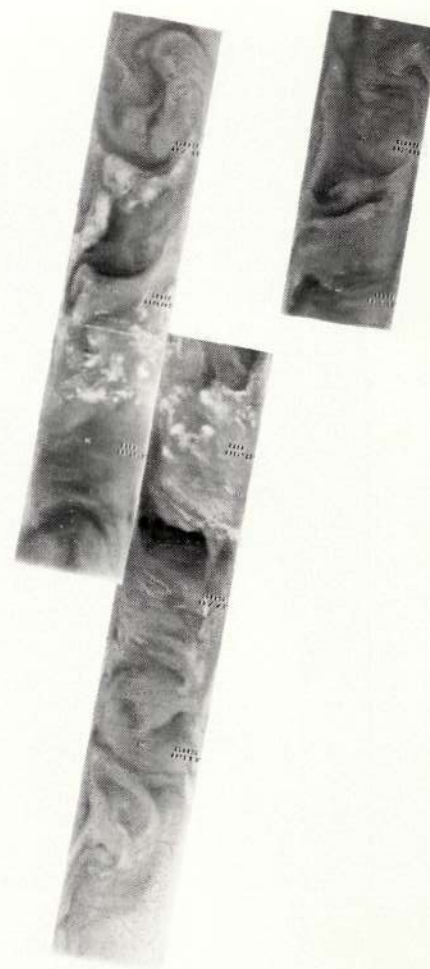
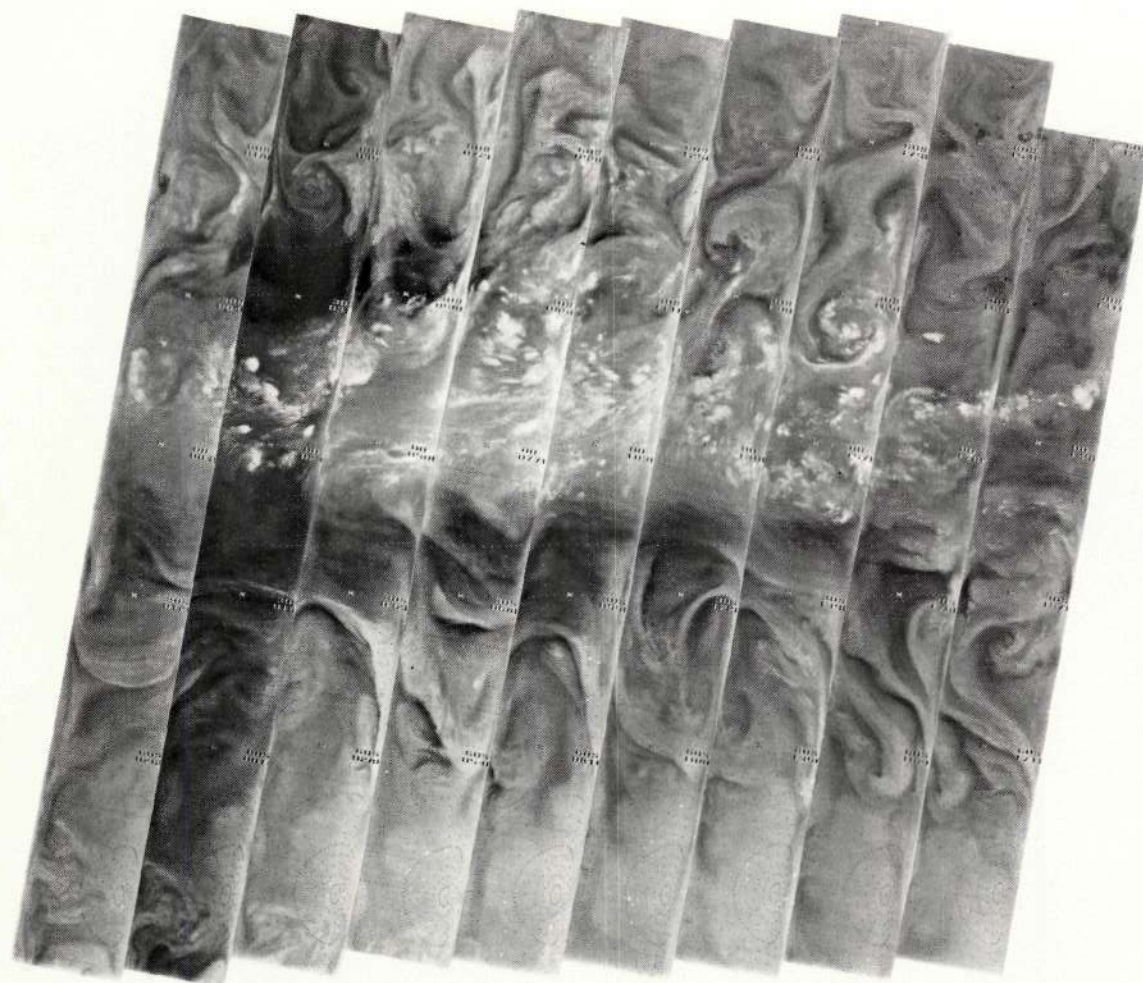
1741 1740 1739 1738 1737 1736 1735 1734 1733 1732 1731 1730 1729

15 AUGUST 1970

11.5 μ m

4-95

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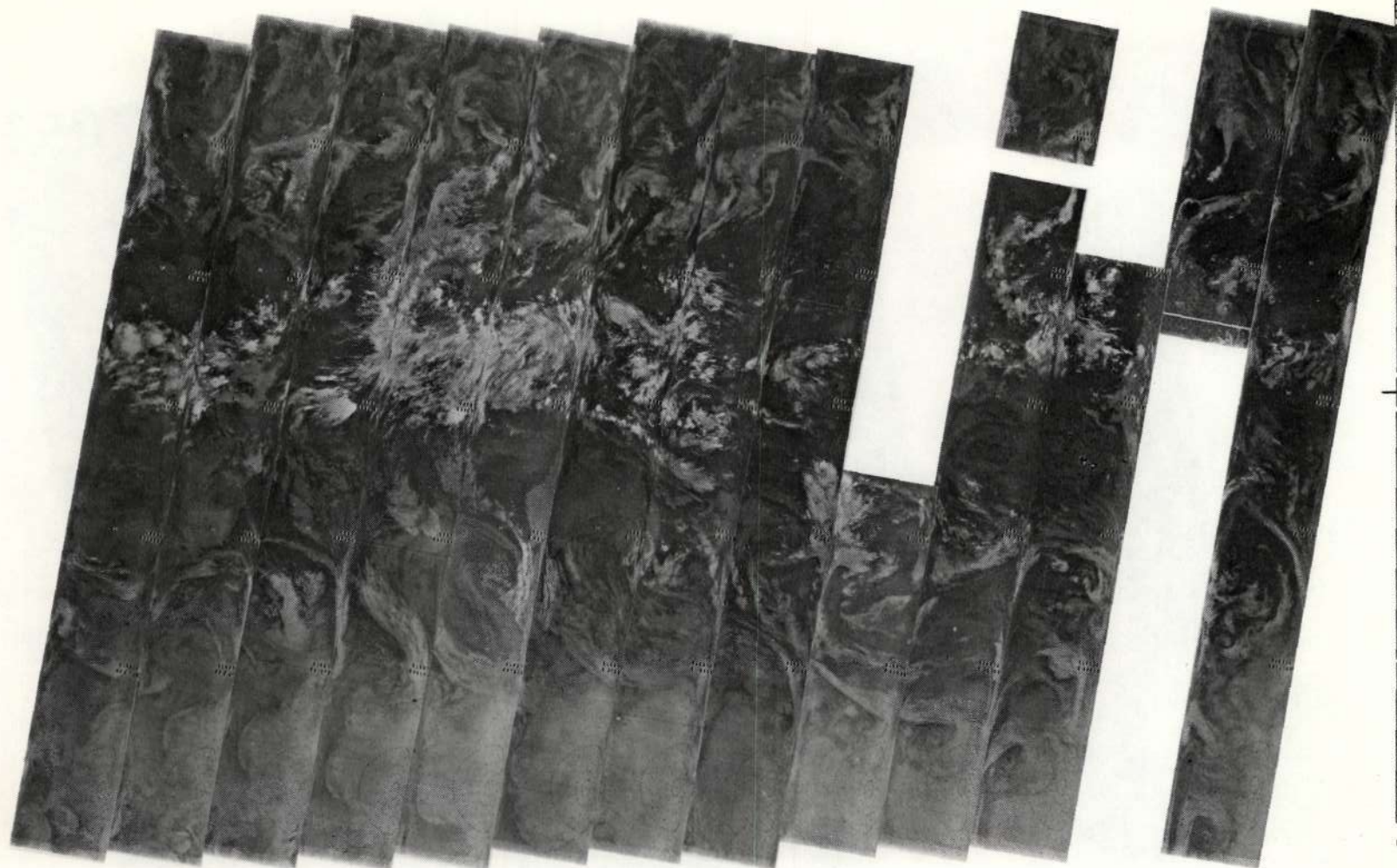
1741 1740 1739 1738 1737 1736 1735 1734 1733 1732 1731 1730 1729

15 AUGUST 1970

6.7 μ m

4-96

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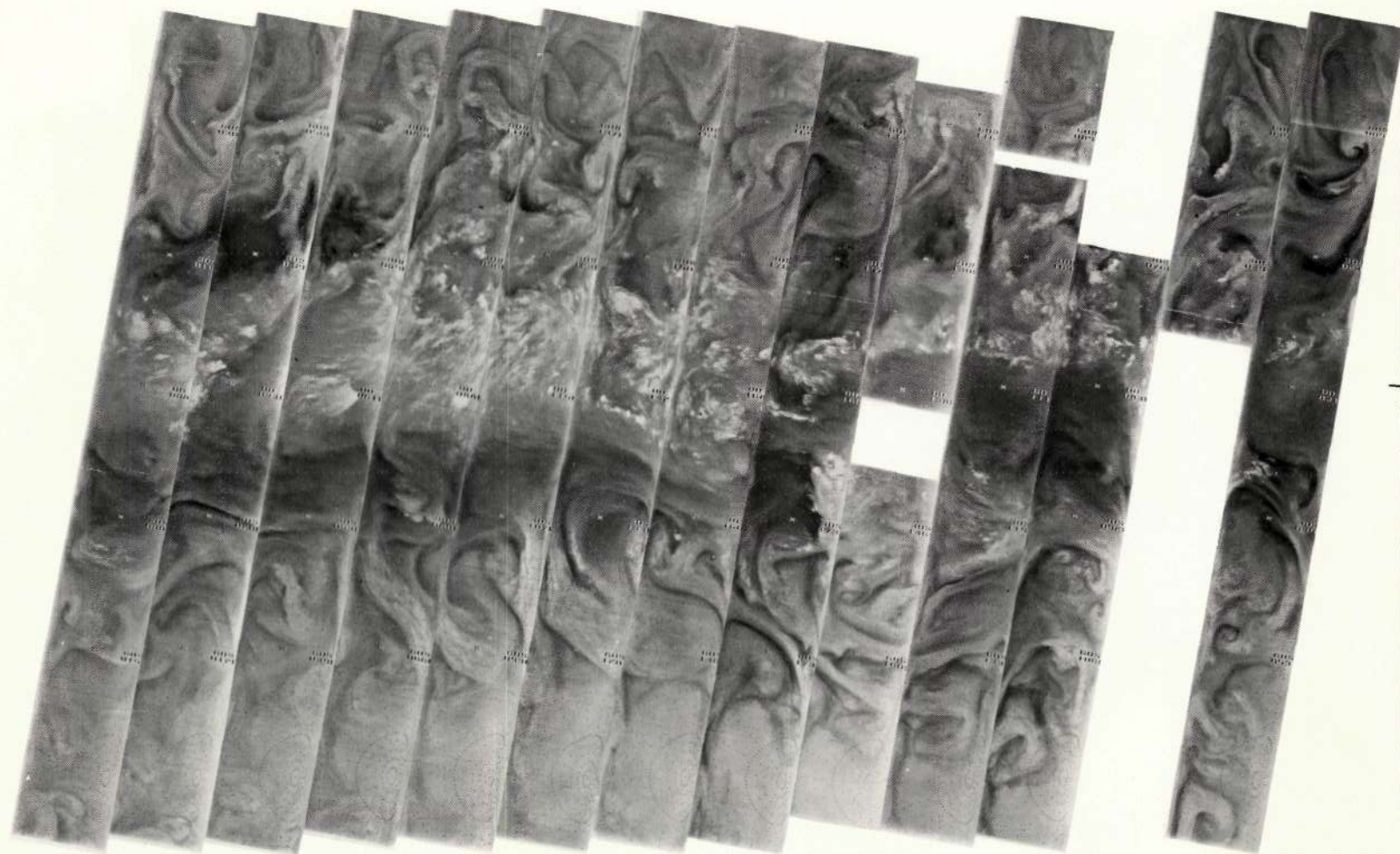
1754 1753 1752 1751 1750 1749 1748 1747 1746 1745 1744 1743 1742

16 AUGUST 1970

11.5 μ m

4-97

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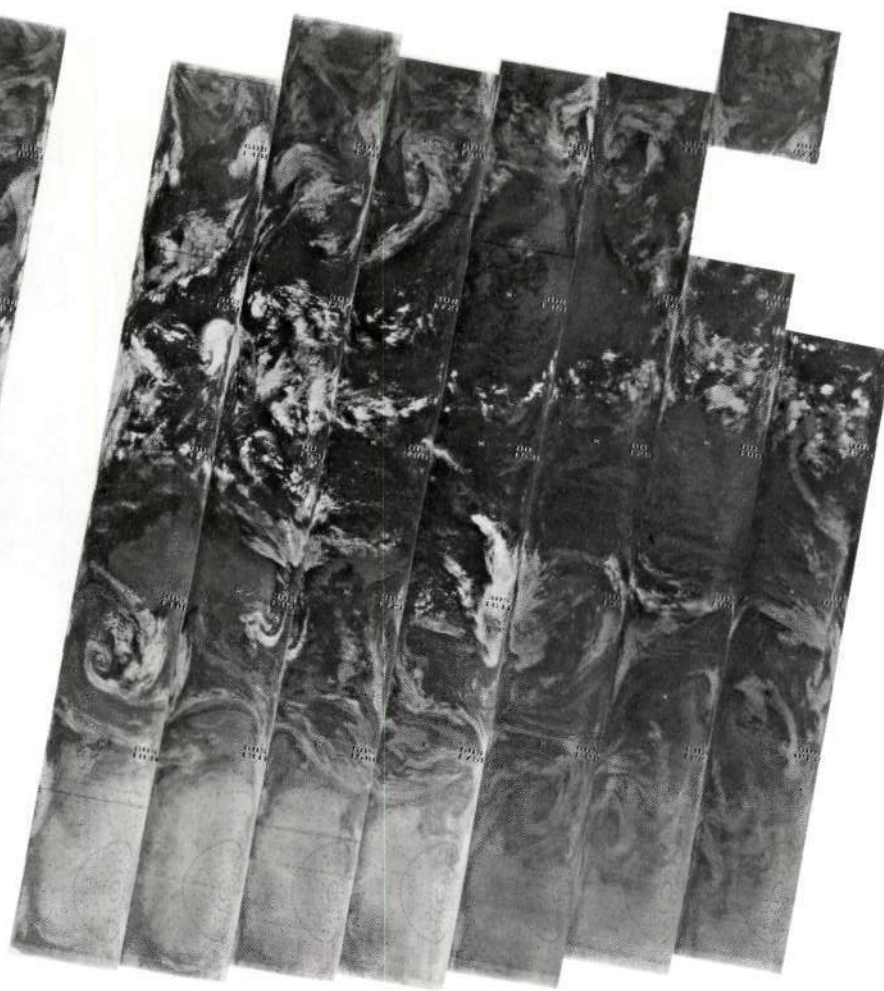
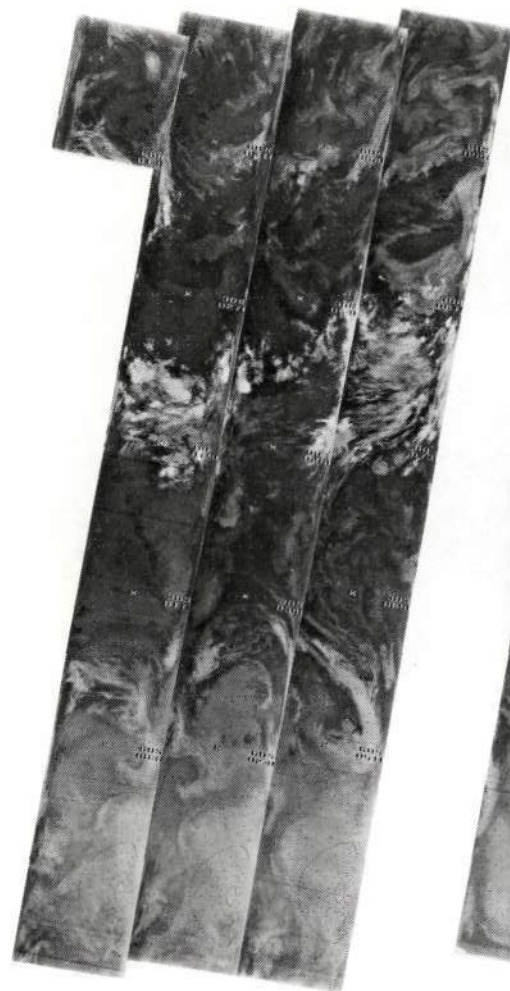
1754 1753 1752 1751 1750 1749 1748 1747 1746 1745 1744 1743 1742

16 AUGUST 1970

6.7μm

4-98

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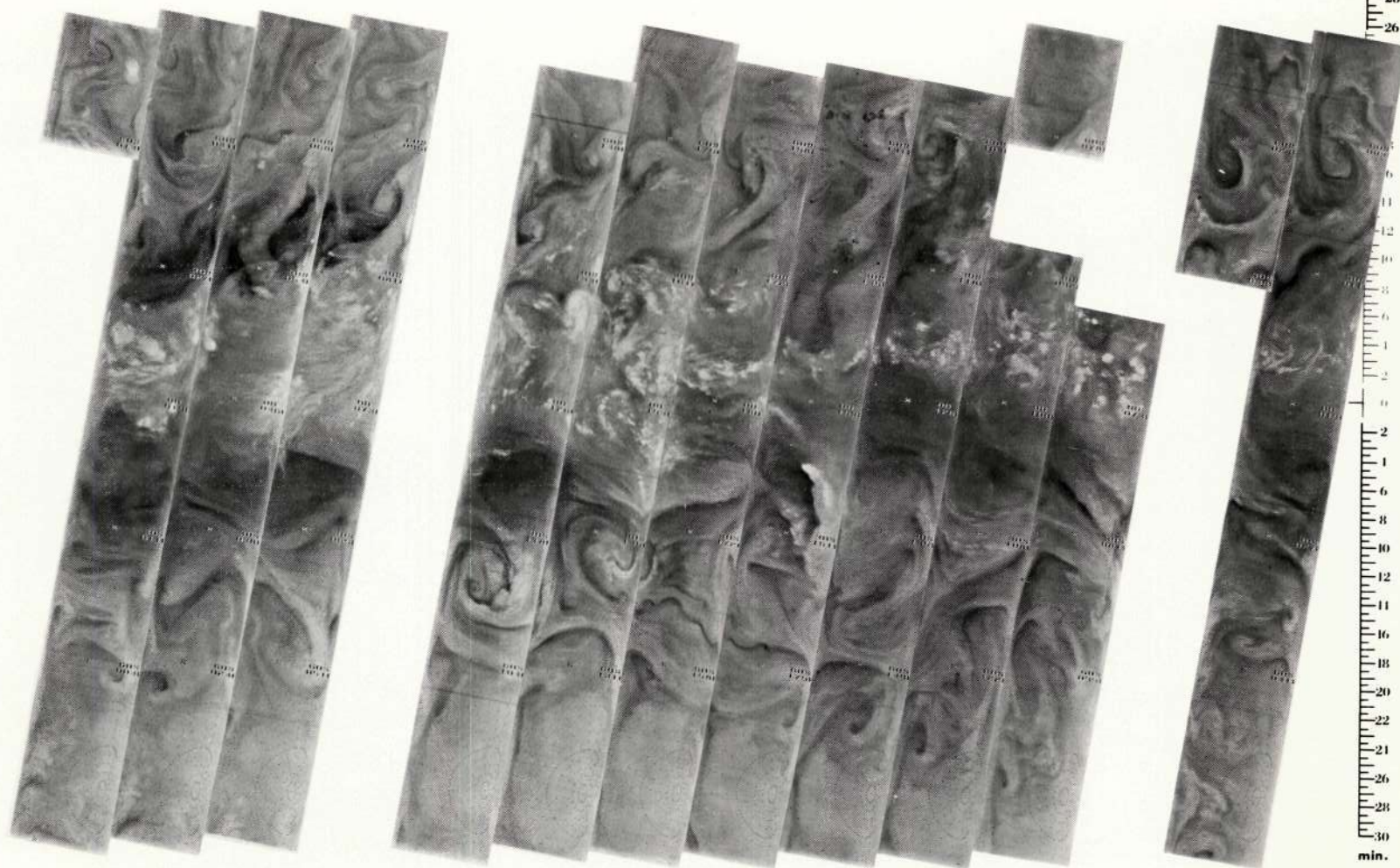
1768 1767 1766 1765 1764 1763 1762 1761 1760 1759 1758 1757 1756 1755

17 AUGUST 1970

11.5 μ m

4-99

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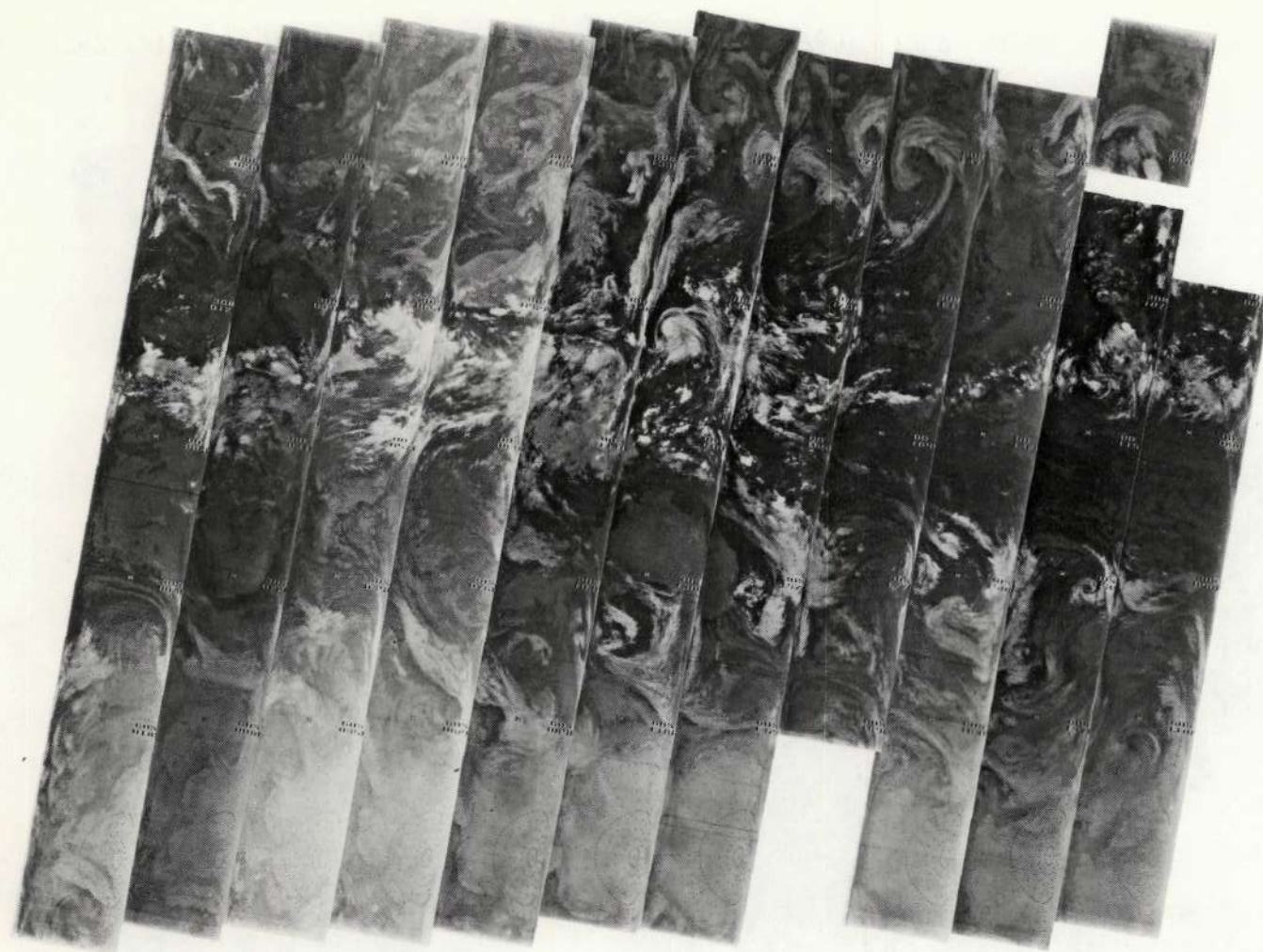
1768 1767 1766 1765 1764 1763 1762 1761 1760 1759 1758 1757 1756 1755

17 AUGUST 1970

6.7 μ m

4-100

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18 AUGUST 1970

11.5 μ m

4-101

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18 AUGUST 1970

6.7 μ m

4-102

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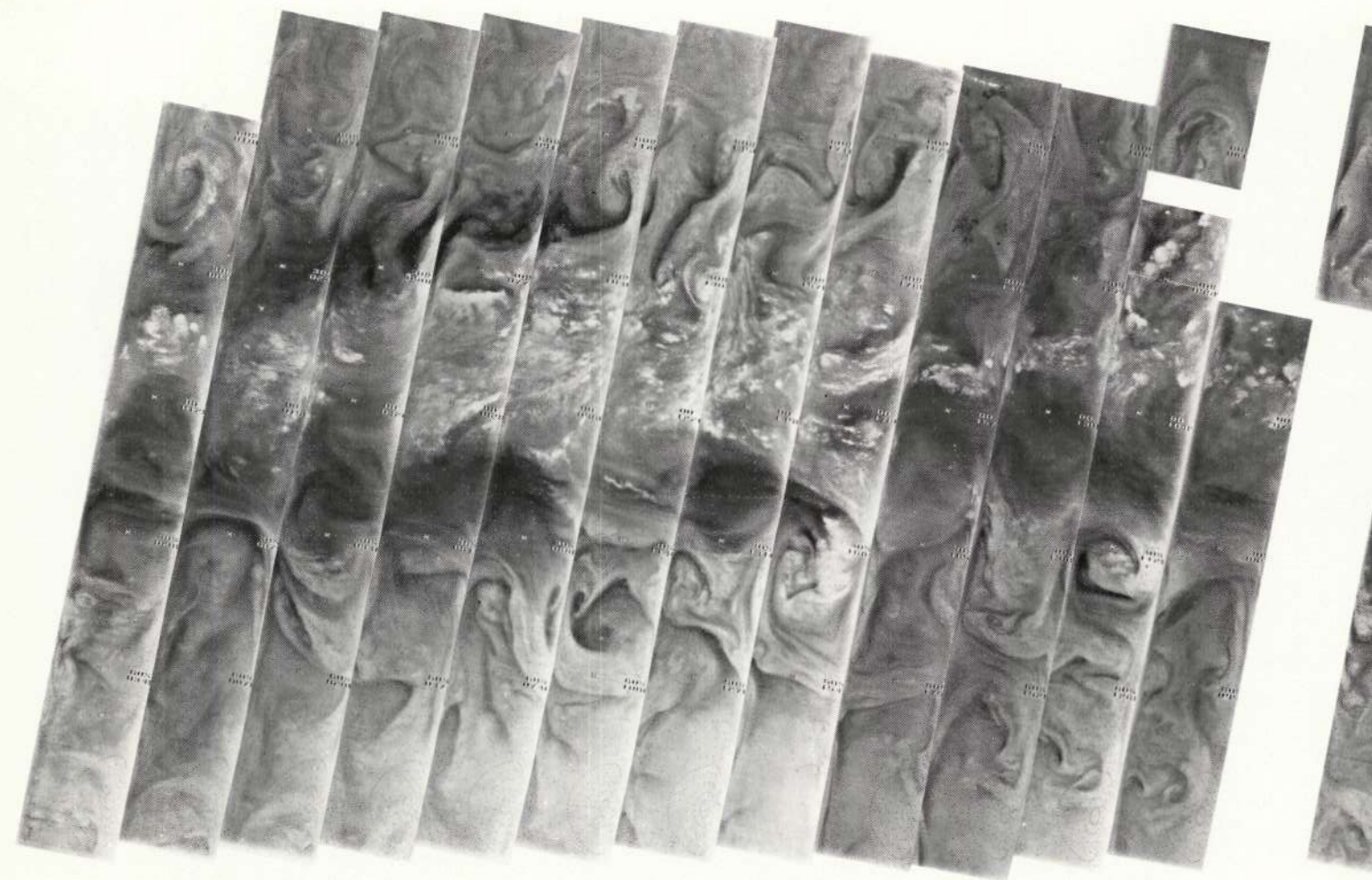
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19 AUGUST 1970

11.5 μ m

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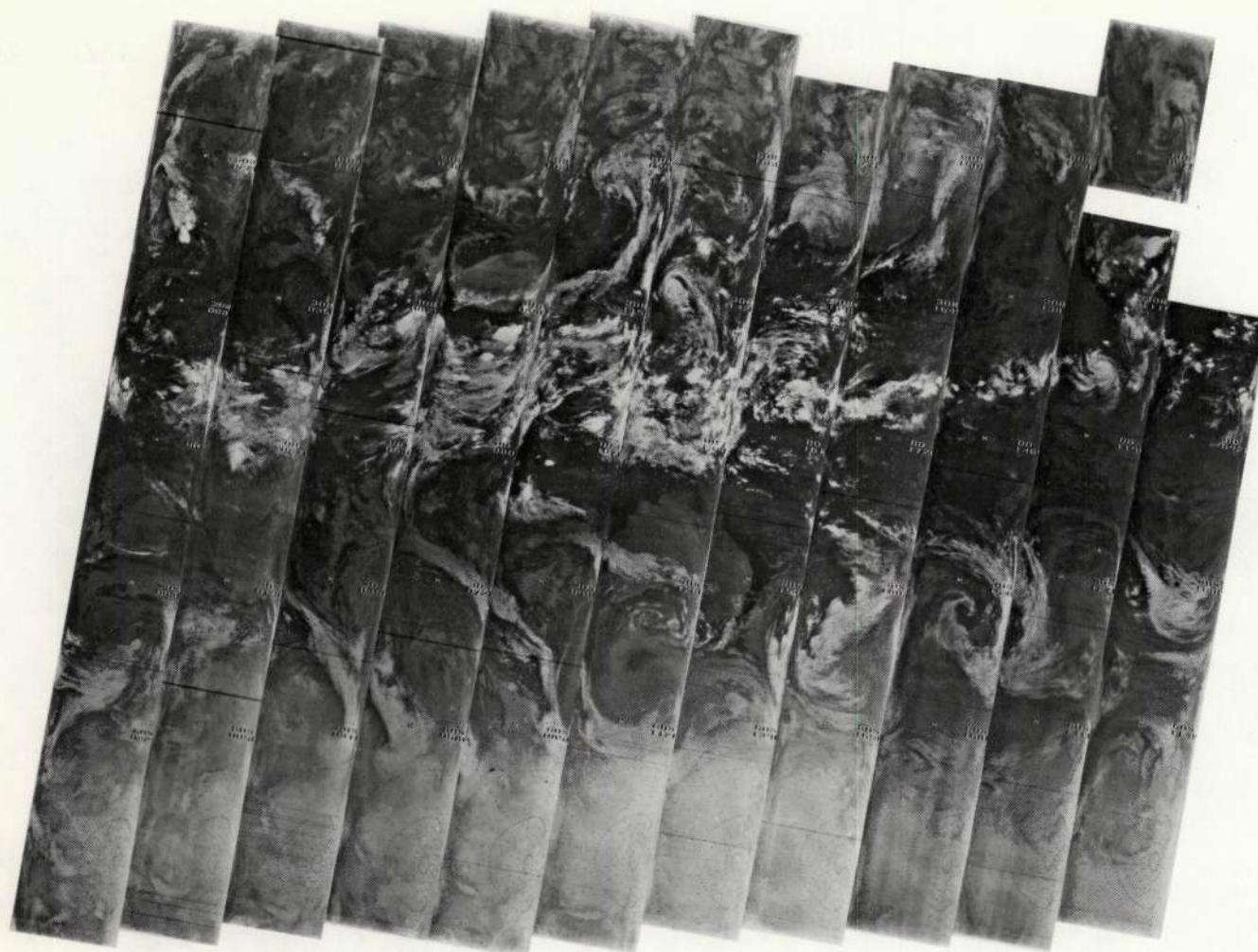
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4-104

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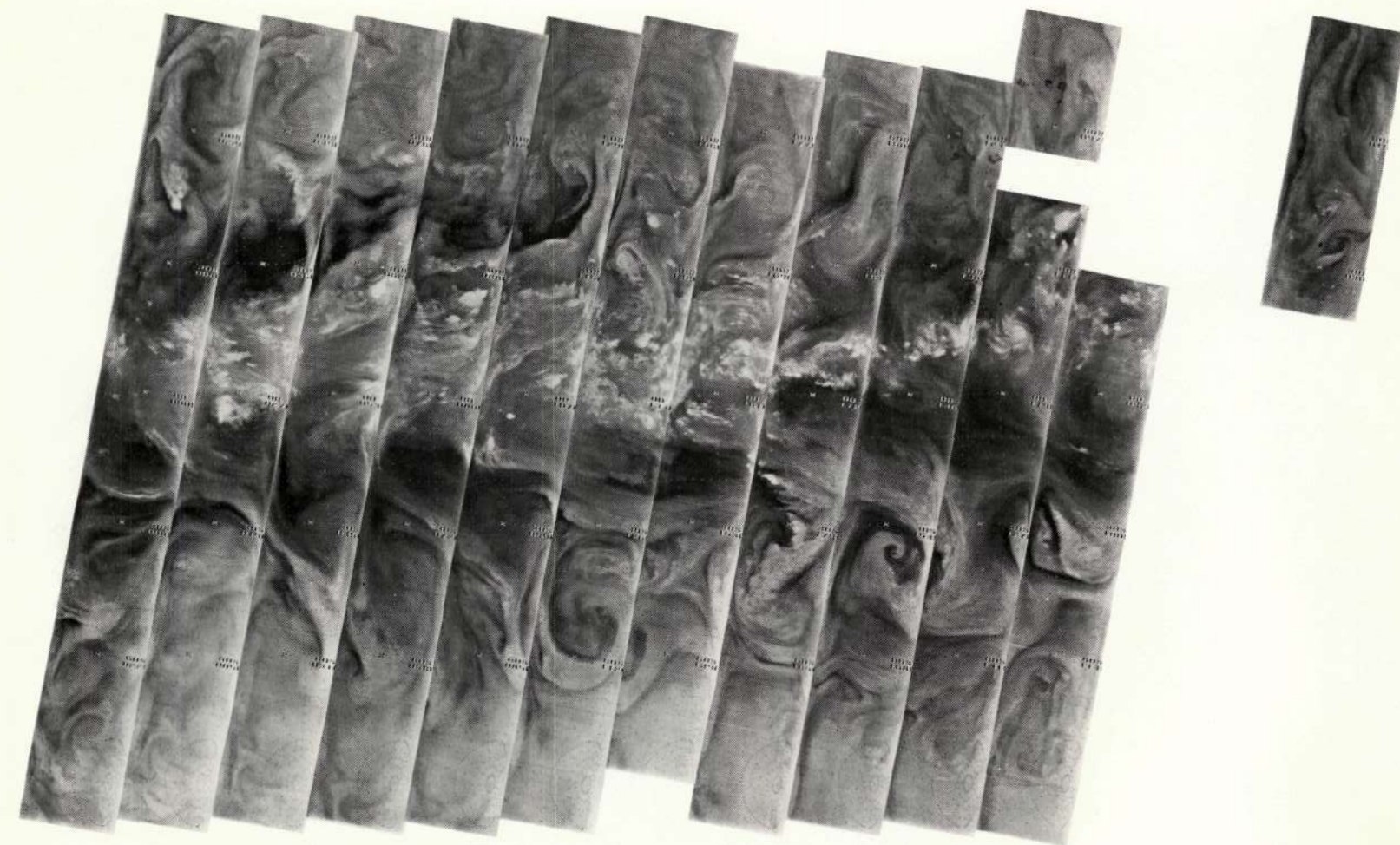


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1808 1807 1806 1805 1804 1803 1802 1801 1800 1799 1798 1797 1796

20 AUGUST 1970

11.5 μ m



1808 1807 1806 1805 1804 1803 1802 1801 1800 1799 1798 1797 1796

20 AUGUST 1970

6.7μm

4-105

4-106

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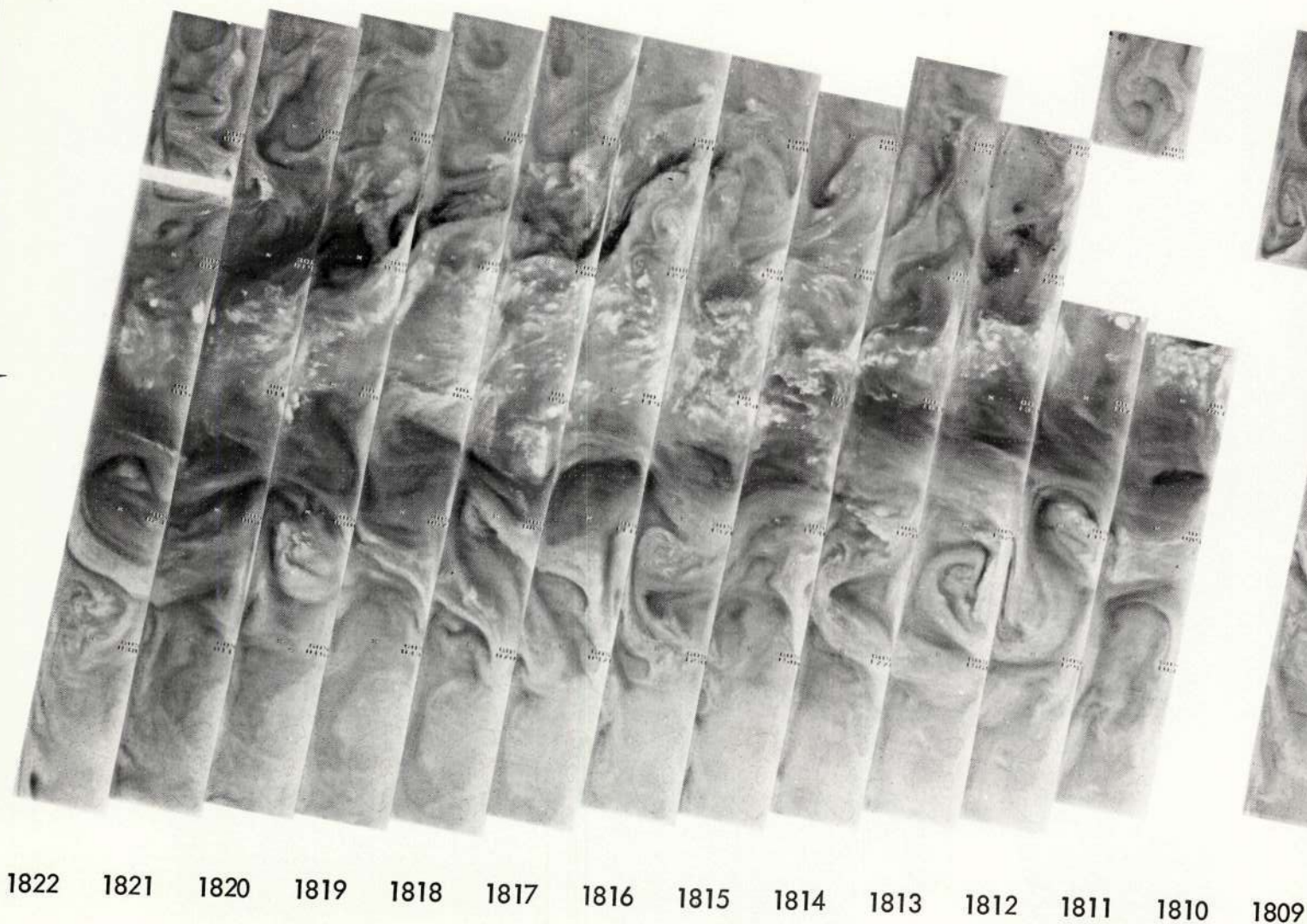
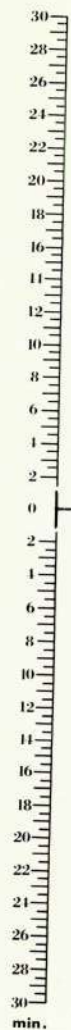
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1822 1821 1820 1819 1818 1817 1816 1815 1814 1813 1812 1811 1810 1809

21 AUGUST 1970

11.5 μ m

4-107



21 AUGUST 1970

6.7 μ m



4-108

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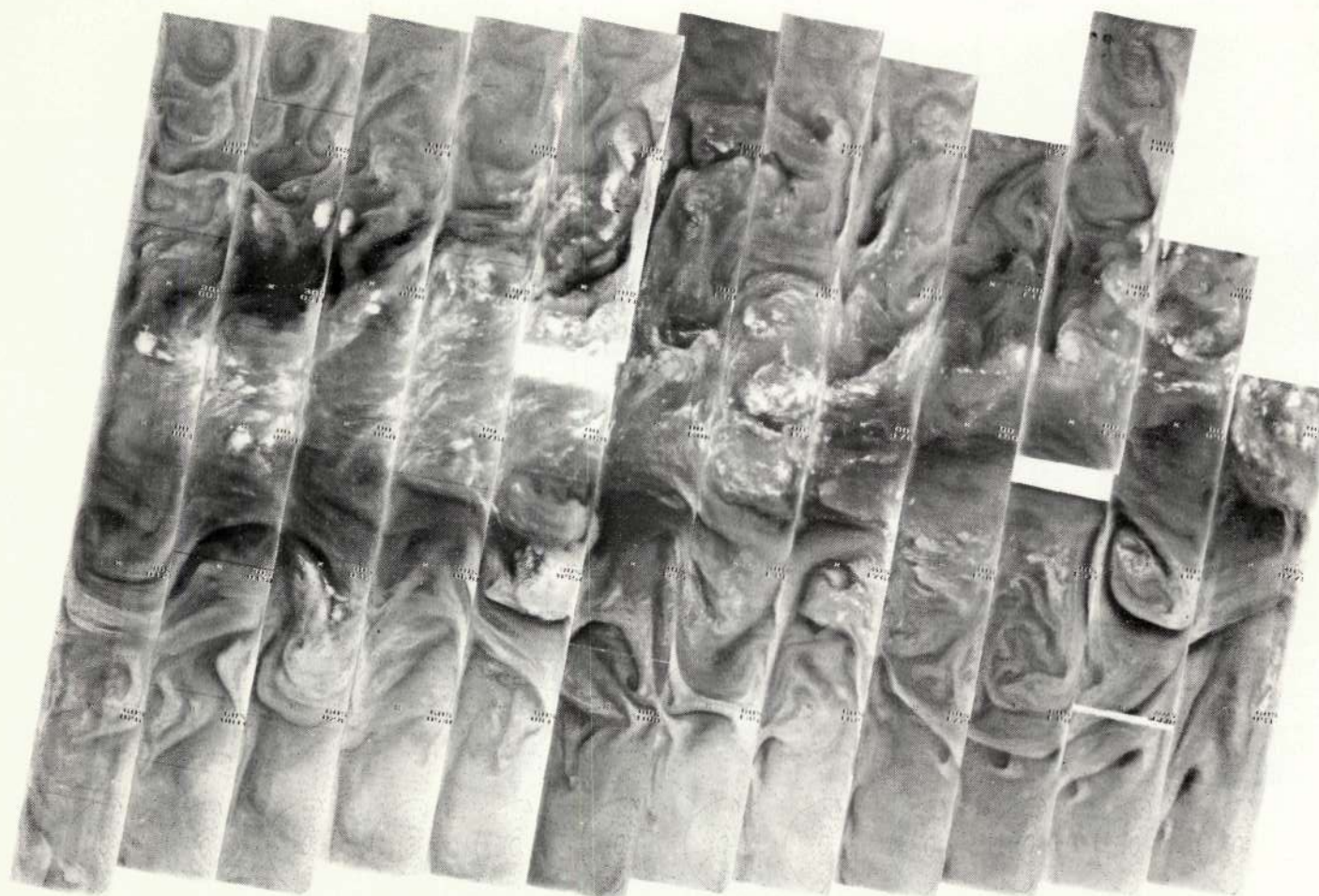
1835 1834 1833 1832 1831 1830 1829 1828 1827 1826 1825 1824 1823

22 AUGUST 1970

11.5 μ m

4-109

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1835 1834 1833 1832 1831 1830 1829 1828 1827 1826 1825 1824 1823

22 AUGUST 1970

6.7µm

4-110

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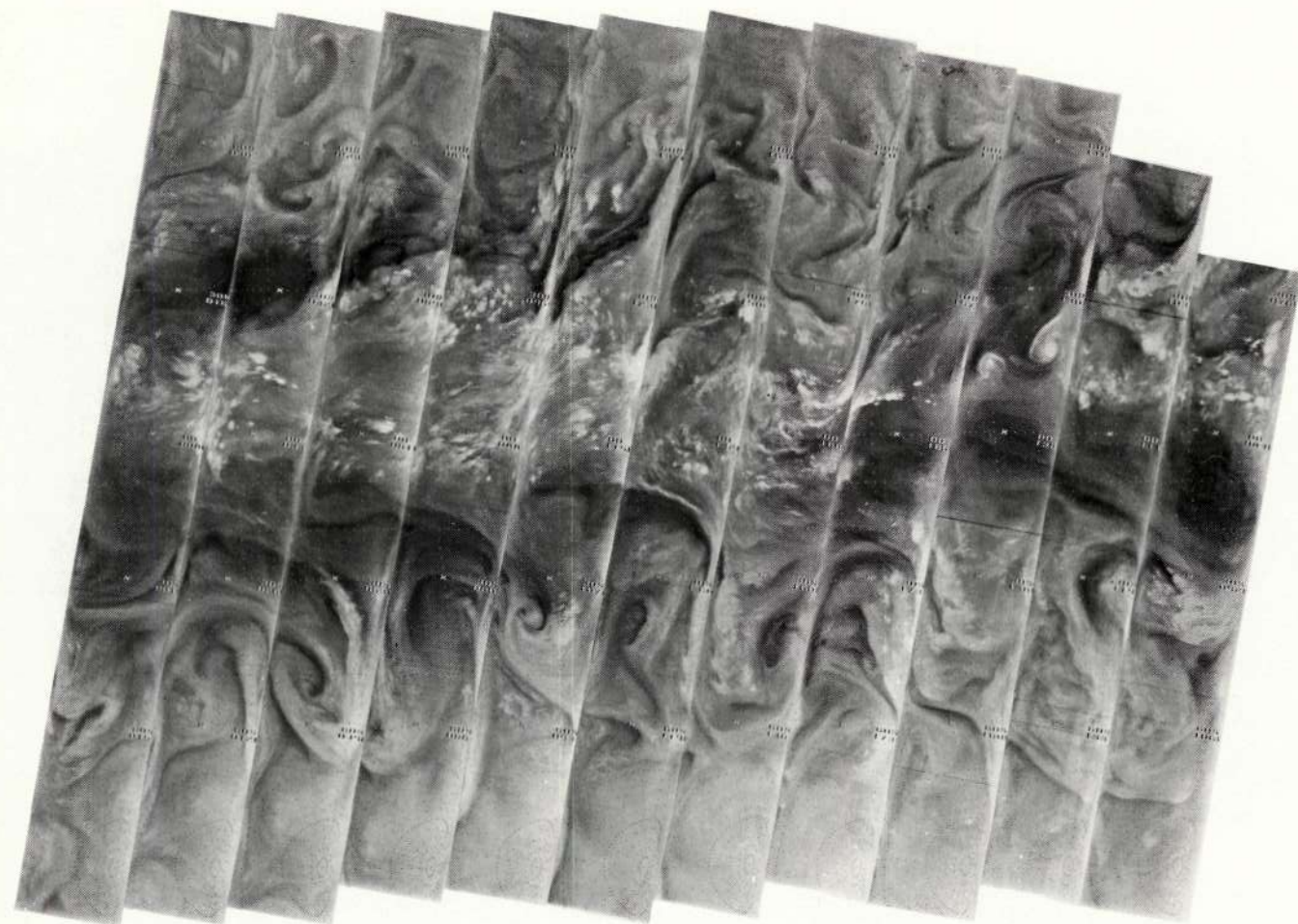
1848 1847 1846 1845 1844 1843 1842 1841 1840 1839 1838 1837 1836

23 AUGUST 1970

11.5 μ m

4-111

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1848 1847 1846 1845 1844 1843 1842 1841 1840 1839 1838 1837 1836

23 AUGUST 1970

6.7 μ m

4-112

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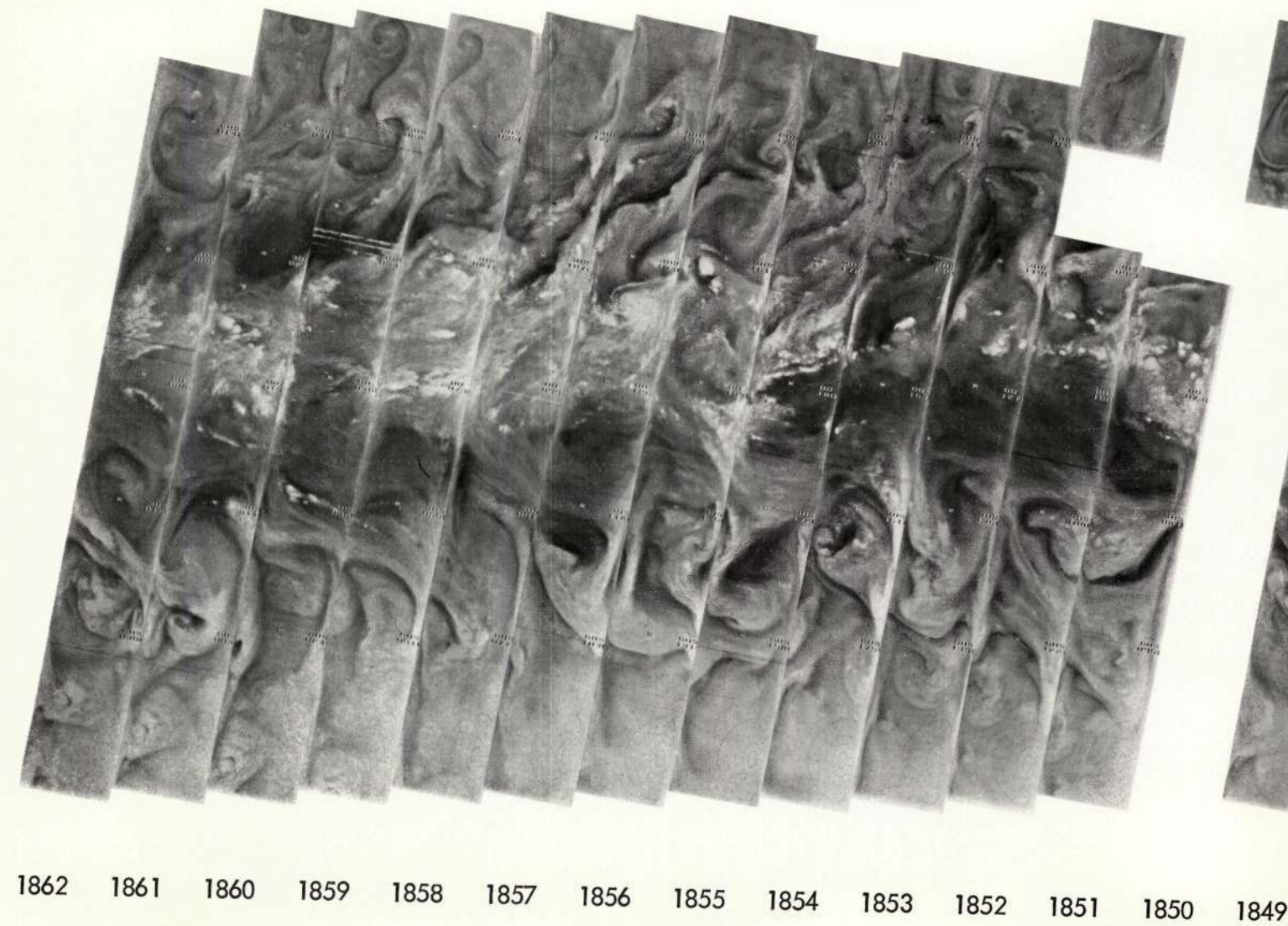
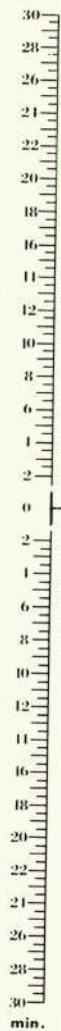
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1862 1861 1860 1859 1858 1857 1856 1855 1854 1853 1852 1851 1850 1849

24 AUGUST 1970

11.5µm

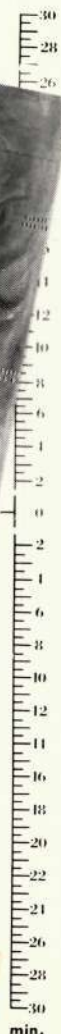
4-113



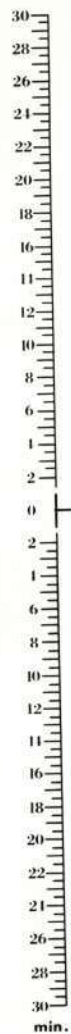
24 AUGUST 1970

6.7 μ m

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4-114



1875 1874 1873 1872 1871 1870 1869 1868 1867 1866 1865 1864 1863

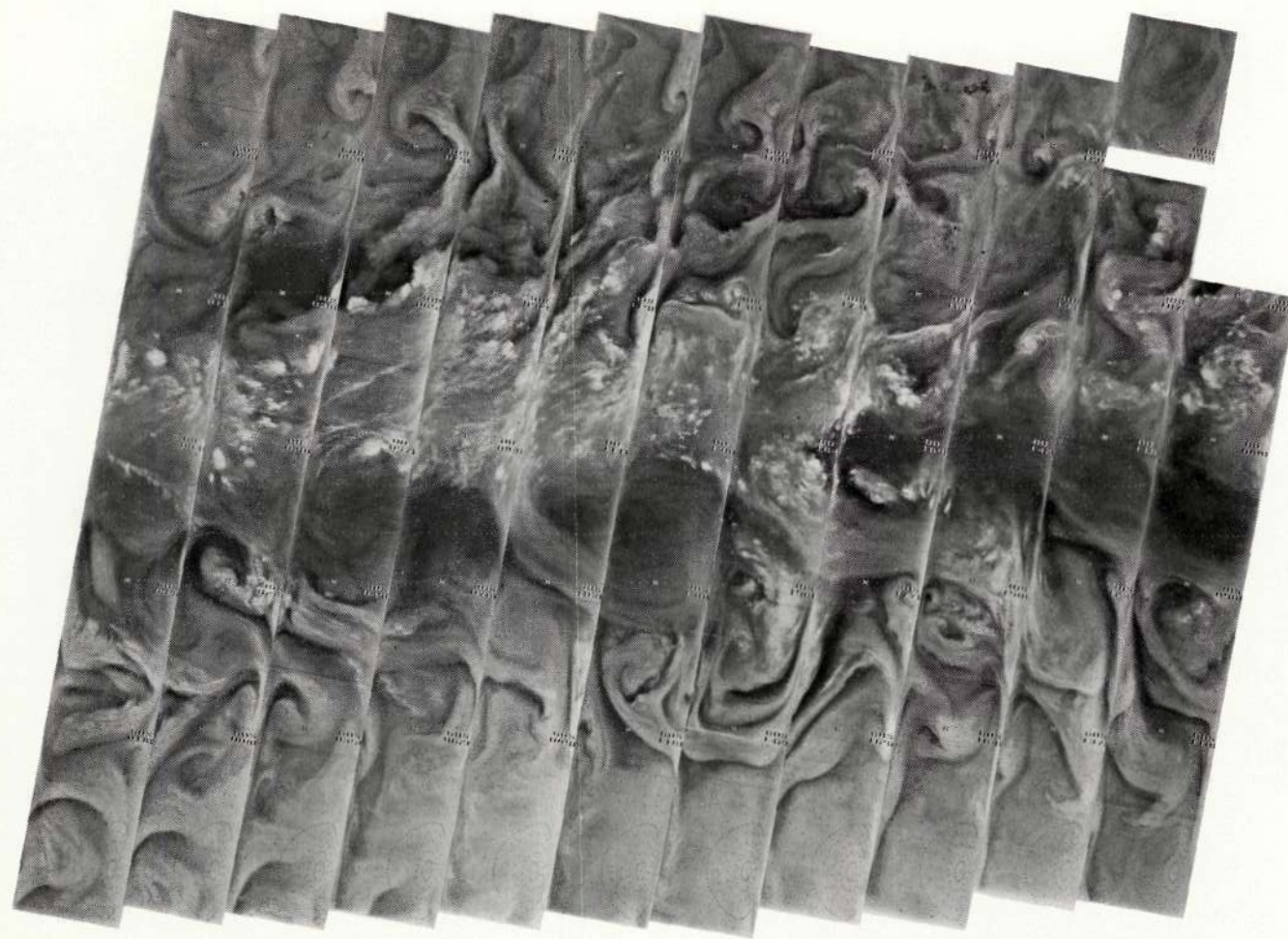
25 AUGUST 1970

11.5 μ m



4-115

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1875 1874 1873 1872 1871 1870 1869 1868 1867 1866 1865 1864 1863

25 AUGUST 1970

6.7 μ m

4-116

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1889 1888 1887 1886 1885 1884 1883 1882 1881 1880 1879 1878 1877 1876

26 AUGUST 1970

11.5 μ m

4-117

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26 AUGUST 1970

6.7 μ m

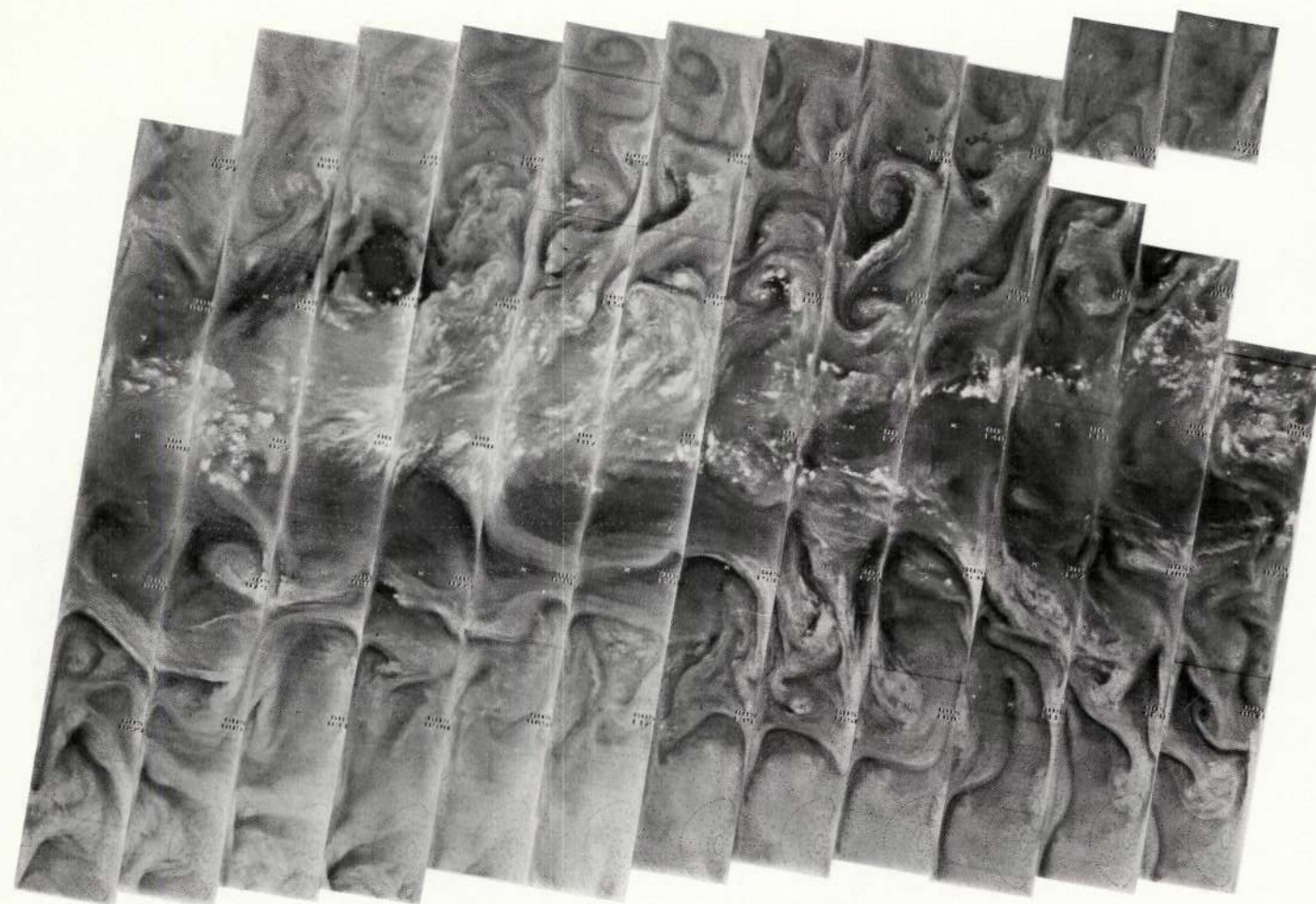
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11.5 μm

4-119

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1902 1901 1900 1899 1898 1897 1896 1895 1894 1893 1892 1891 1890

27 AUGUST 1970

6.7 μ m

4-120

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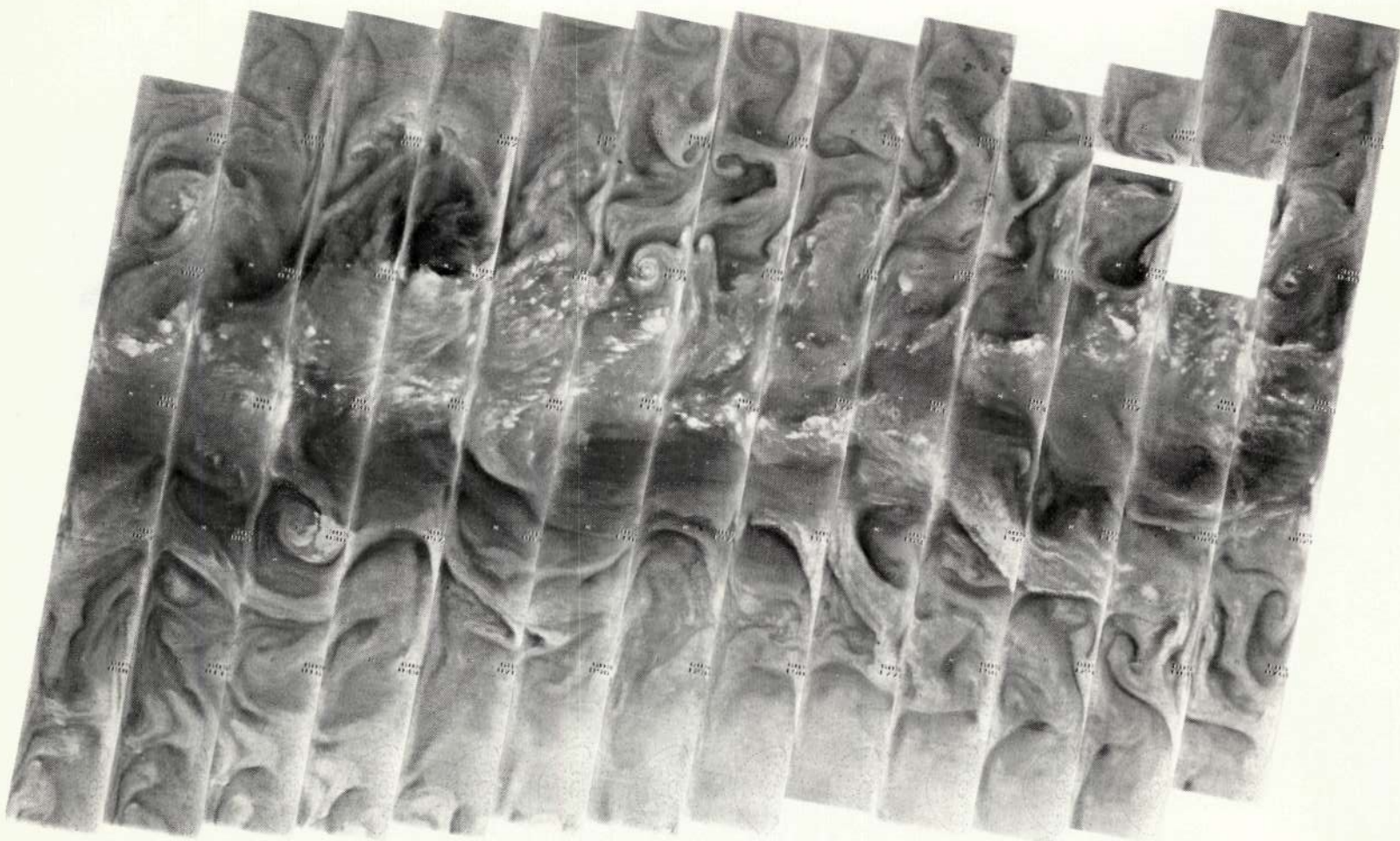
1916 1915 1914 1913 1912 1911 1910 1909 1908 1907 1906 1905 1904 1903

28 AUGUST 1970

11.5 μ m

4-121

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1916 1915 1914 1913 1912 1911 1910 1909 1908 1907 1906 1905 1904 1903

28 AUGUST 1970

6.7 μ m

4-122

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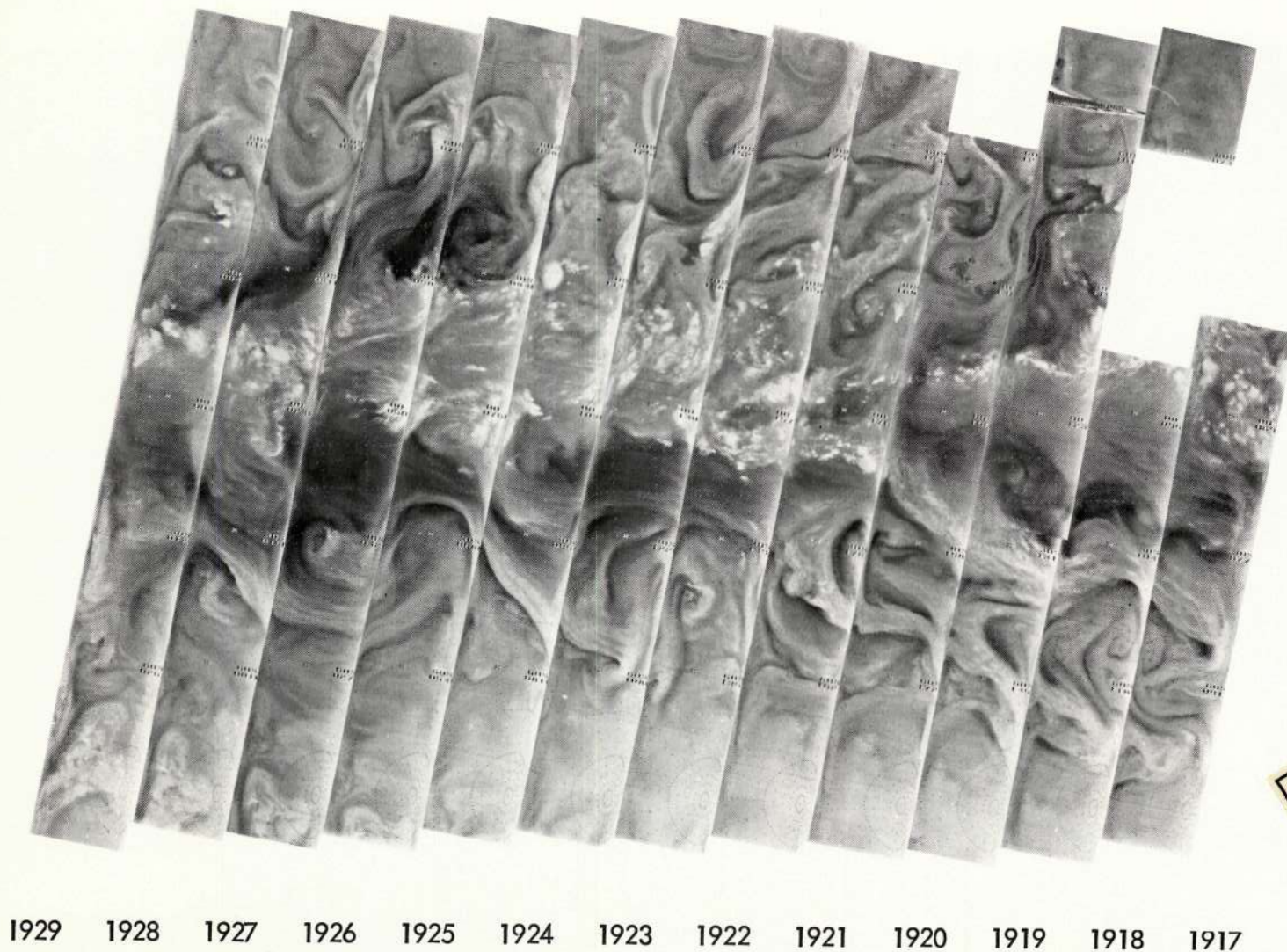
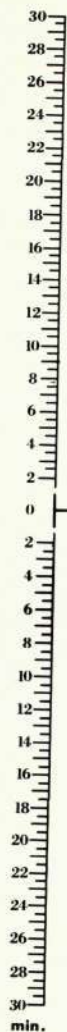
1929 1928 1927 1926 1925 1924 1923 1922 1921 1920 1919 1918 1917

29 AUGUST 1970

11.5 μ m

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4-123



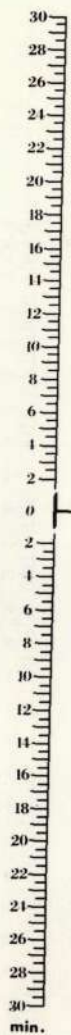
29 AUGUST 1970

6.7 μ m

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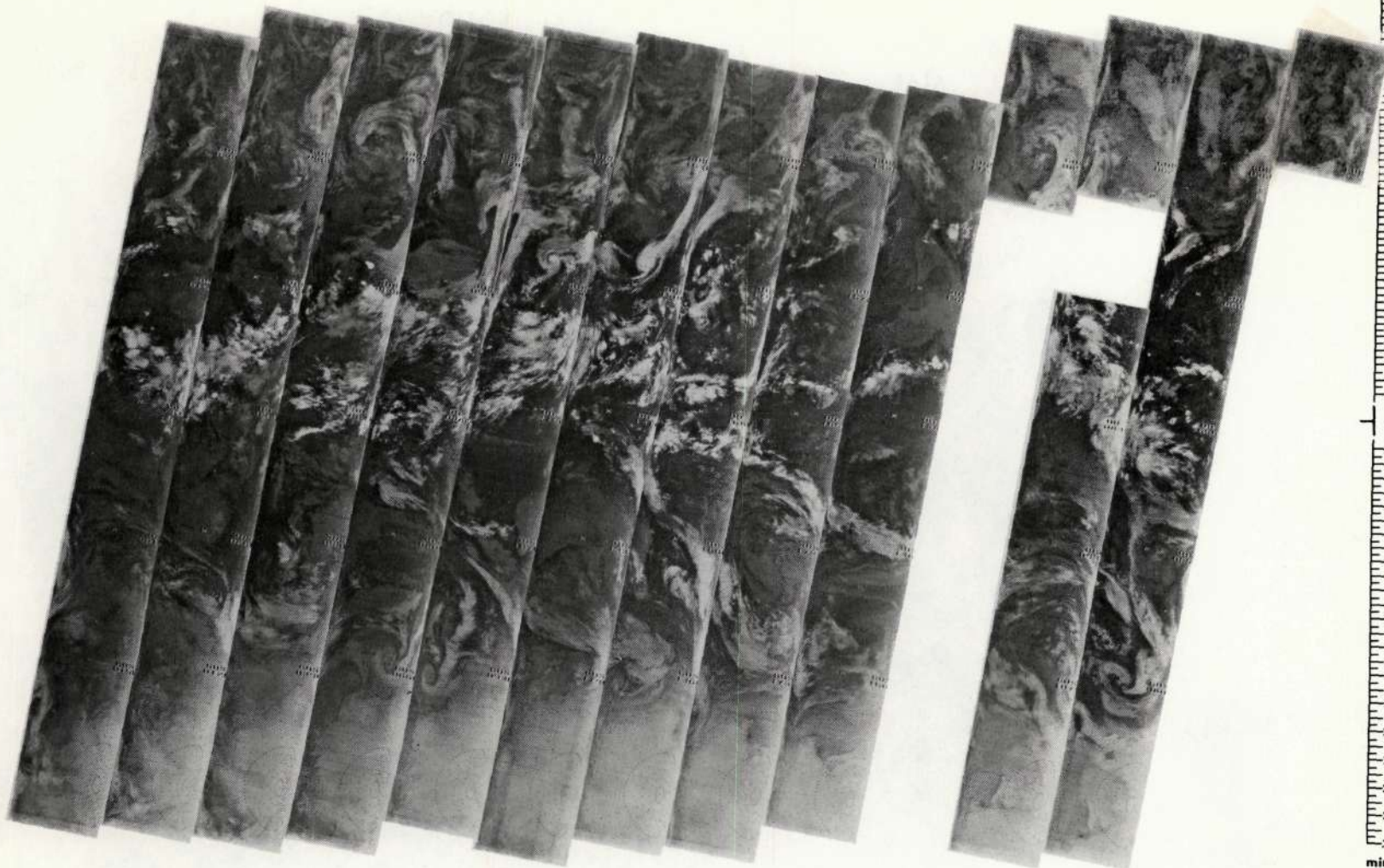
4-124



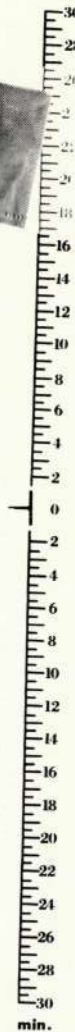
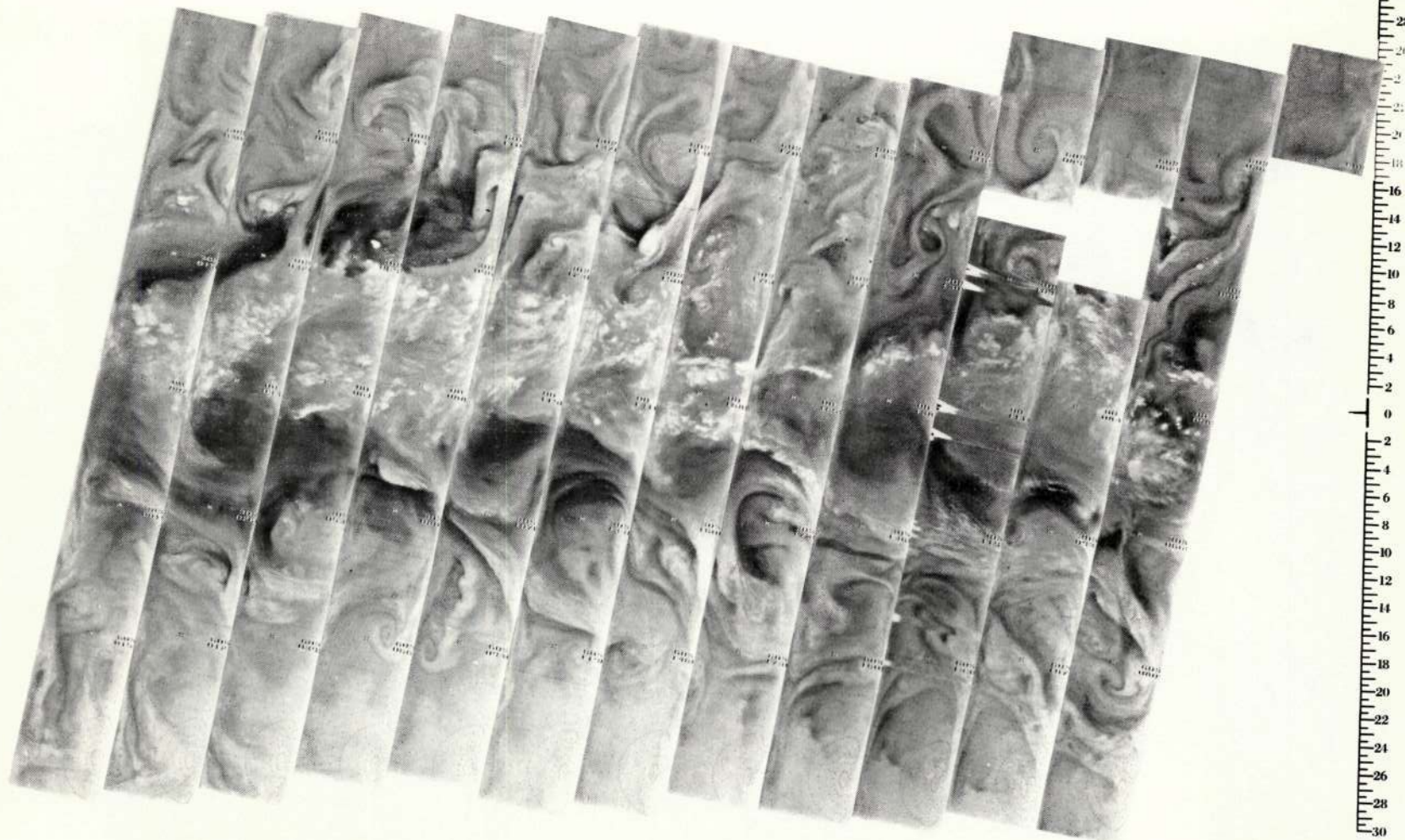
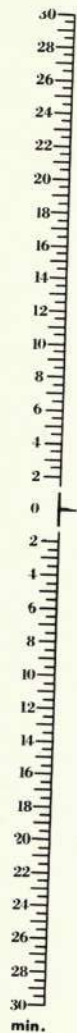
1942 1941 1940 1939 1938 1937 1936 1935 1934 1933 1932 1931 1930

30 AUGUST 1970

11.5 μ m



4-125



1942 1941 1940 1939 1938 1937 1936 1935 1934 1933 1932 1931 1930

30 AUGUST 1970

6.7 μ m



11.5 μm

4-127

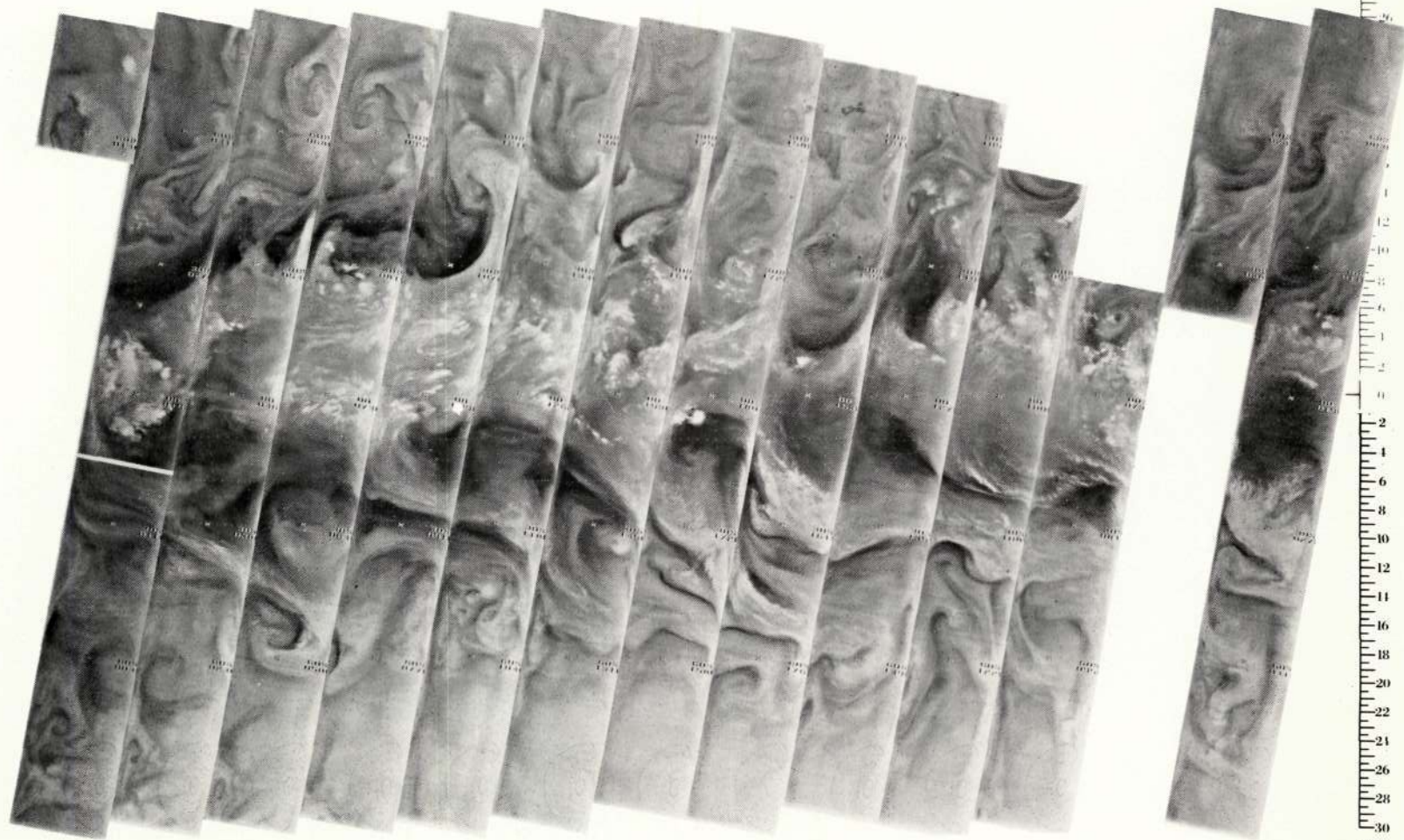
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1956 1955 1954 1953 1952 1951 1950 1949 1948 1947 1946 1945 1944 1943

31 AUGUST 1970

6.7 μ m

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SECTION 4.2

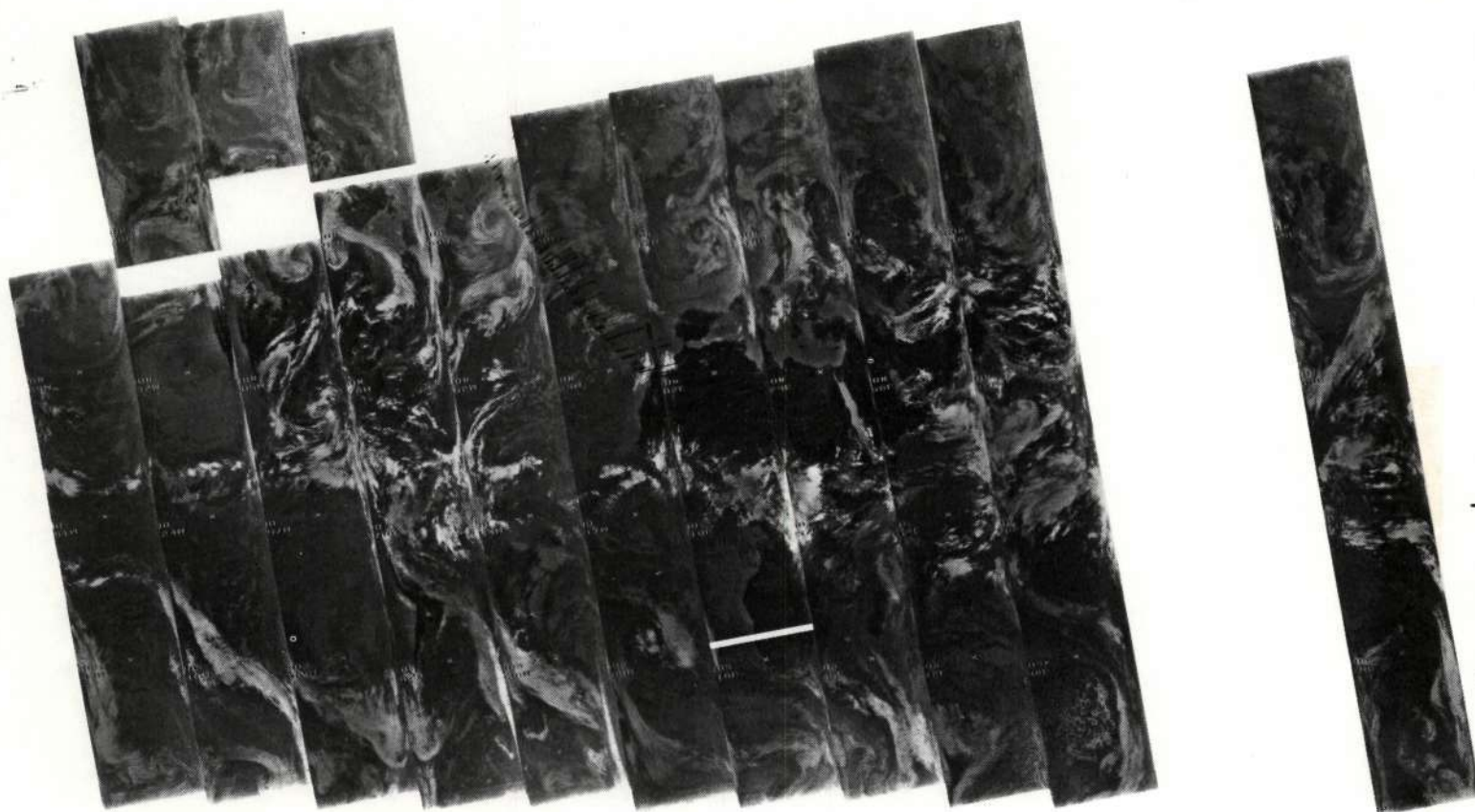
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4-130

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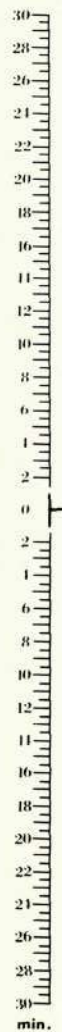
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1 JULY 1970

11.5 μ m

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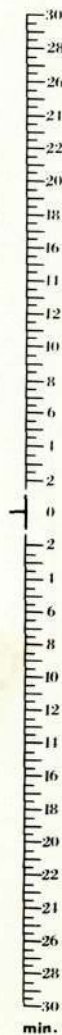
4-131



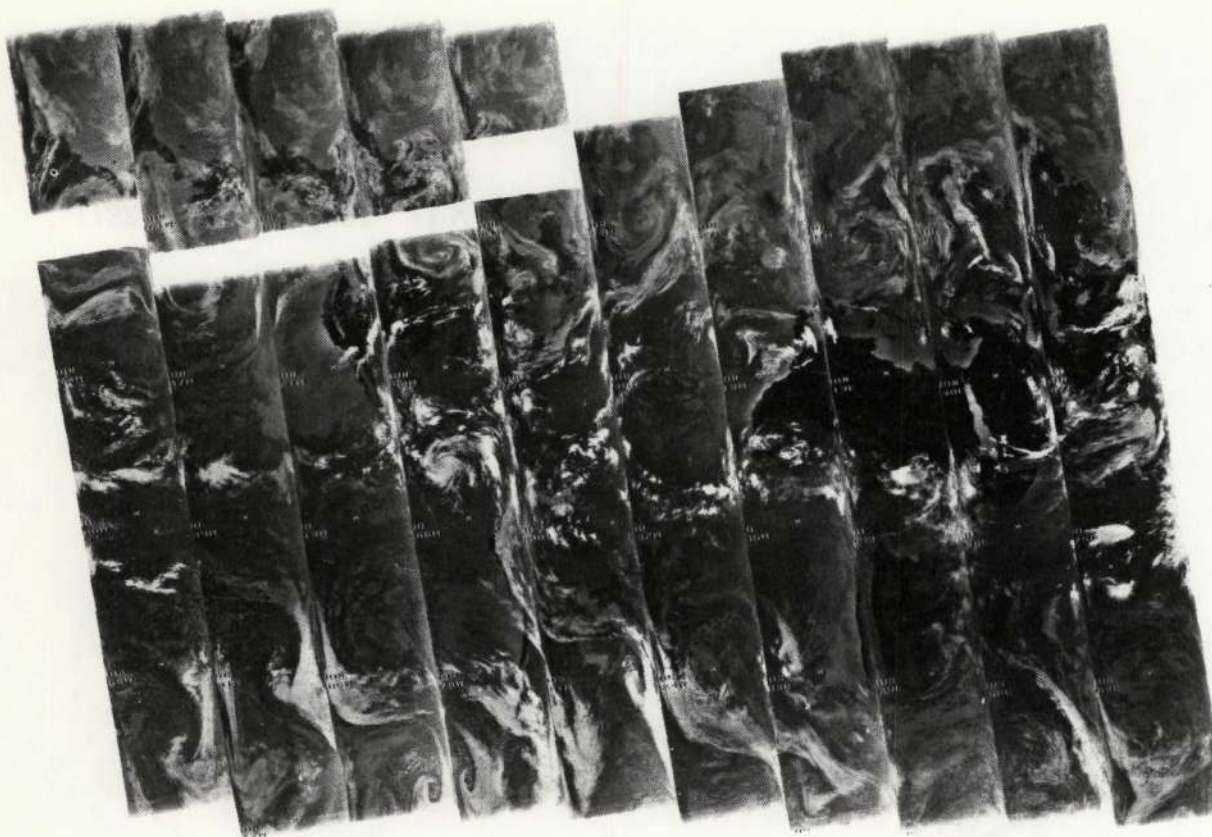
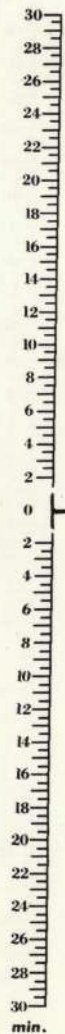
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1 JULY 1970

6.7 μ m



4-132

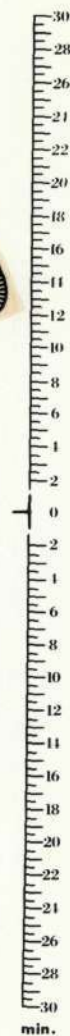


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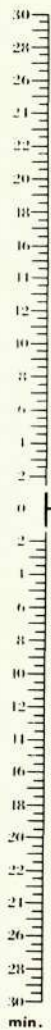
2 JULY 1970

11.5 μ m

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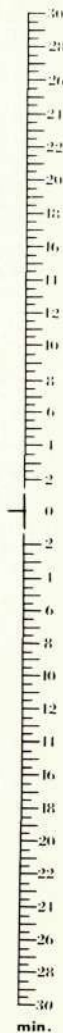
4-133



1150 1149 1148 1147 1146 1145 1144 1143 1142 1141 1140 1139 1138

2 JULY 1970

6.7 μ m



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1164 1163 1162 1161 1160 1159 1158 1157 1156 1155 1154 1153 1152 1151

3 JULY 1970

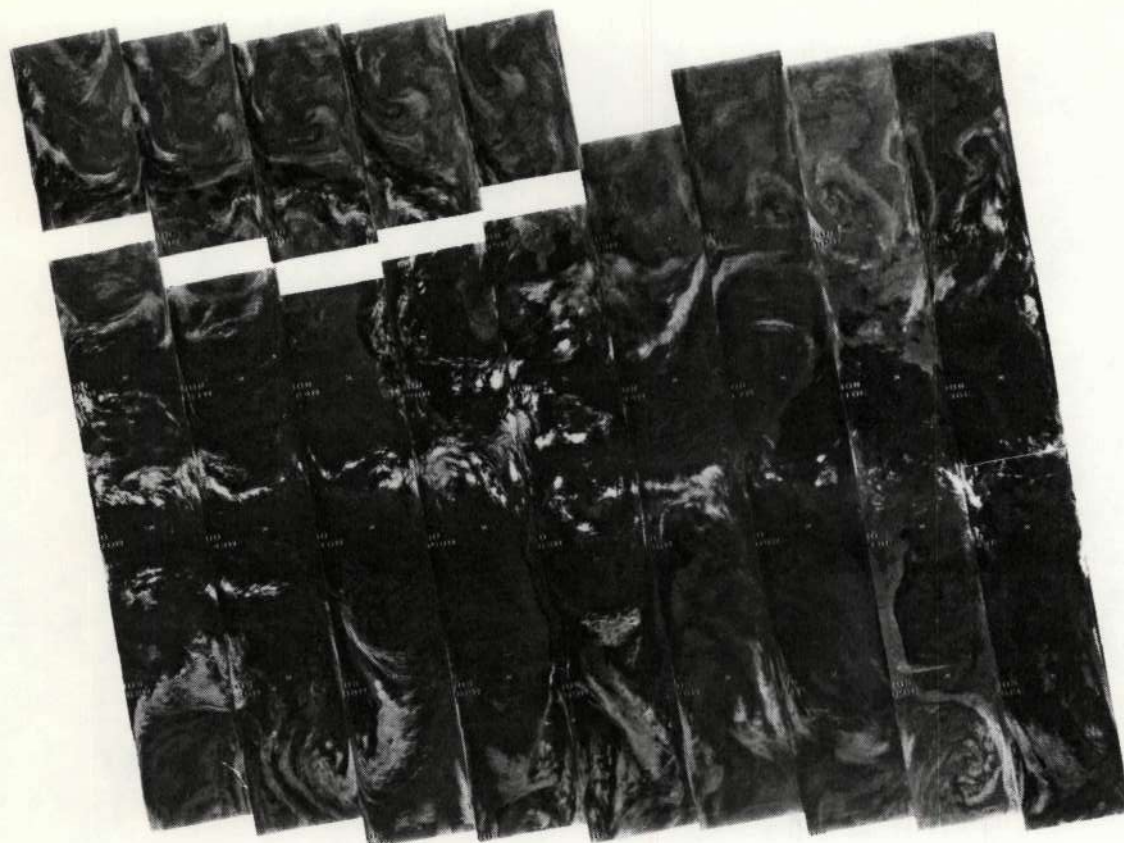
11.5 μ m

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3 JULY 1970 NO 6.7 μ m DATA

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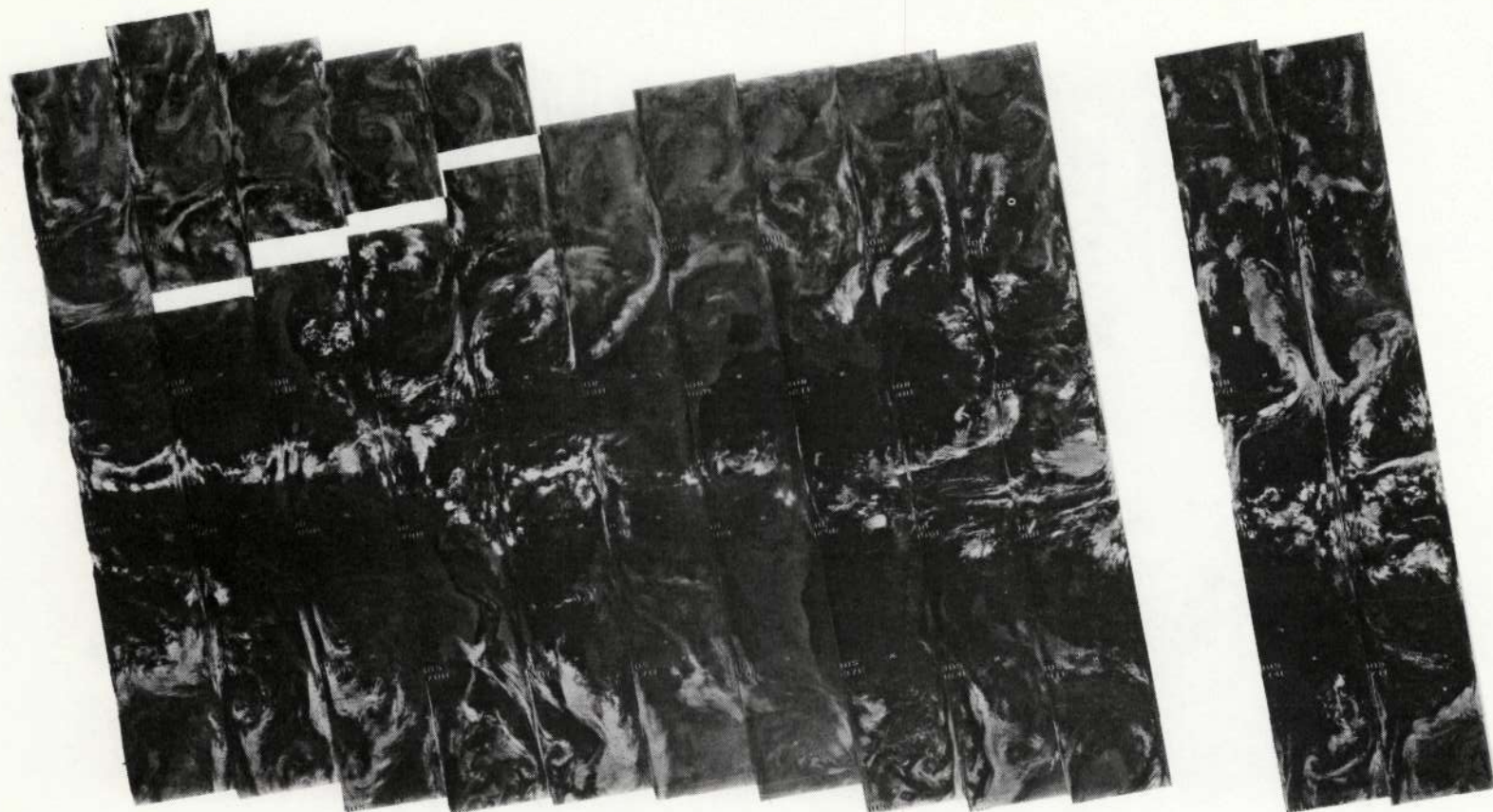
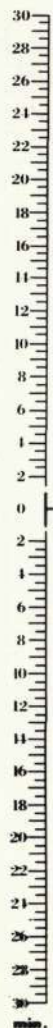
4 JULY 1970

11.5 μ m

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4 JULY 1970 NO 6.7 μ m DATA

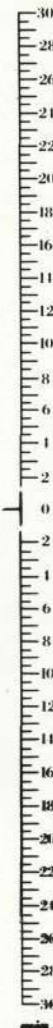
4-138



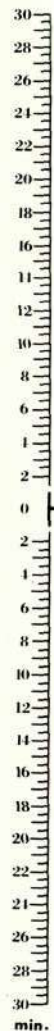
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5 JULY 1970

11.5 μ m



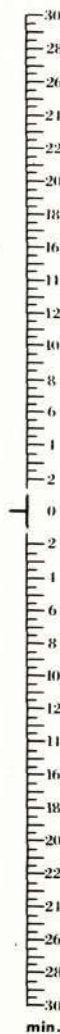
4-139



1190 1189 1188 1187 1186 1185 1184 1183 1182 1181 1180 1179 1178

5 JULY 1970

6.7 μ m



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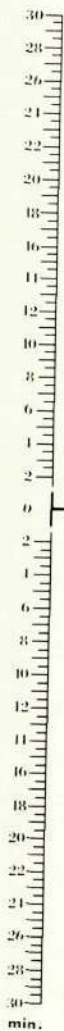
1204 1203 1202 1201 1200 1199 1198 1197 1196 1195 1194 1193 1192 1191

6 JULY 1970

11.5 μ m

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4-141



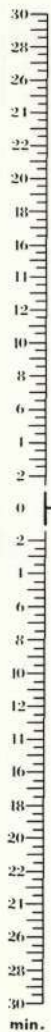
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6 JULY 1970

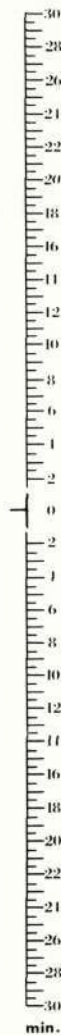
6.7 μ m



4-142



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best available copy.



1217 1216 1215 1214 1213 1212 1211 1210 1209 1208 1207 1206 1205

7 JULY 1970

11.5 μ m

7 JULY 1970 NO 6.7 μ m DATA

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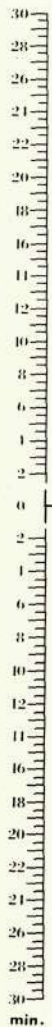
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8 JULY 1970

11.5 μ m

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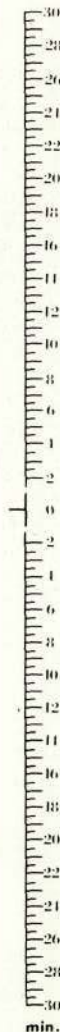
4-145



1231 1230 1229 1228 1227 1226 1225 1224 1223 1222 1221 1220 1219 1218

8 JULY 1970

6.7 μ m



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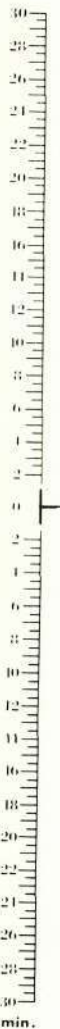
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9 JULY 1970

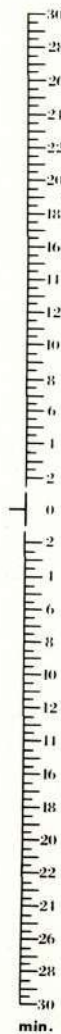
11.5 μ m

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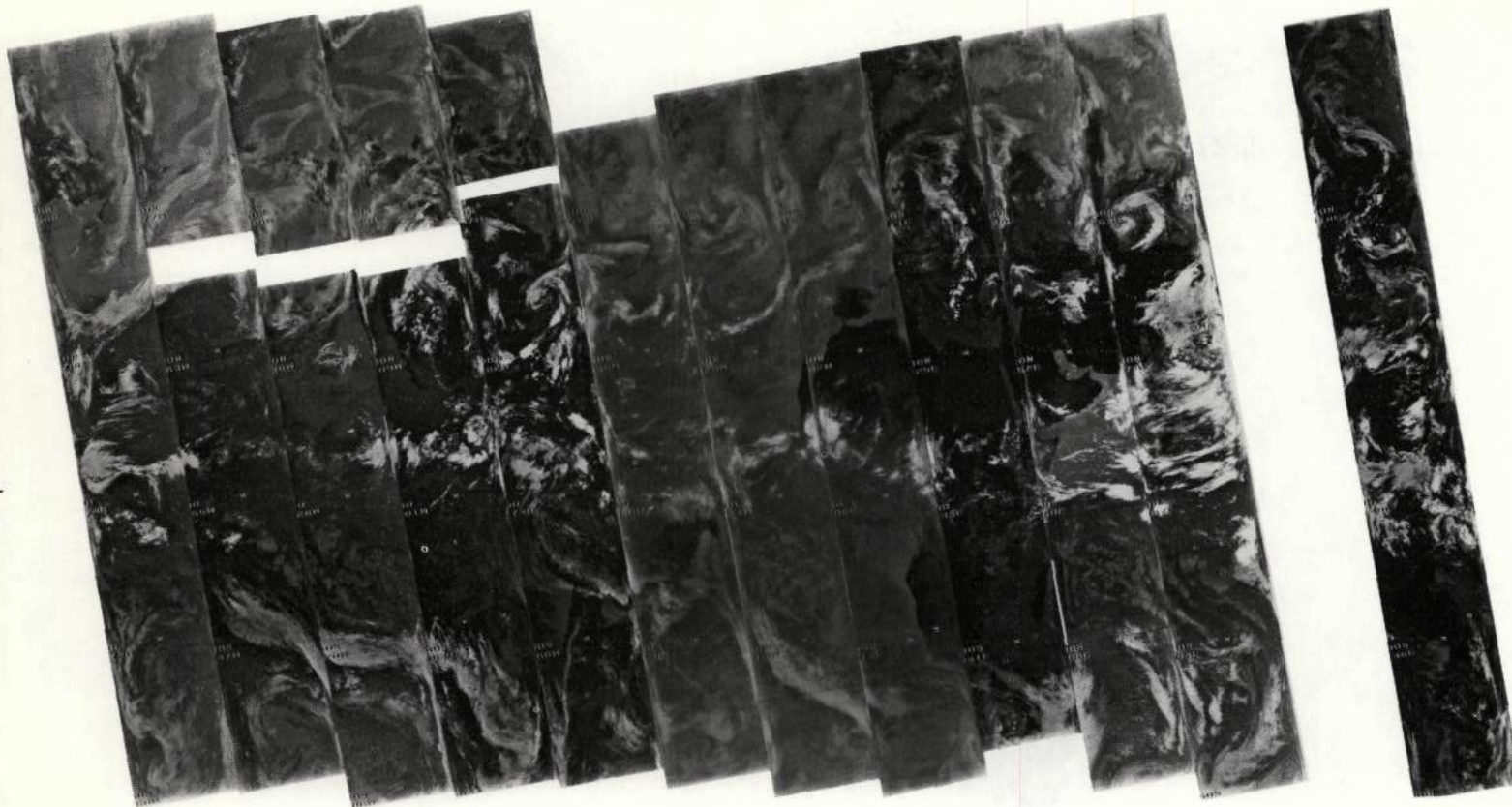
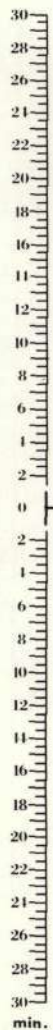
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9 JULY 1970

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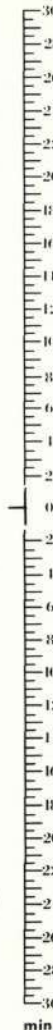
4-148



1258 1257 1256 1255 1254 1253 1252 1251 1250 1249 1248 1247 1246 1245

10 JULY 1970

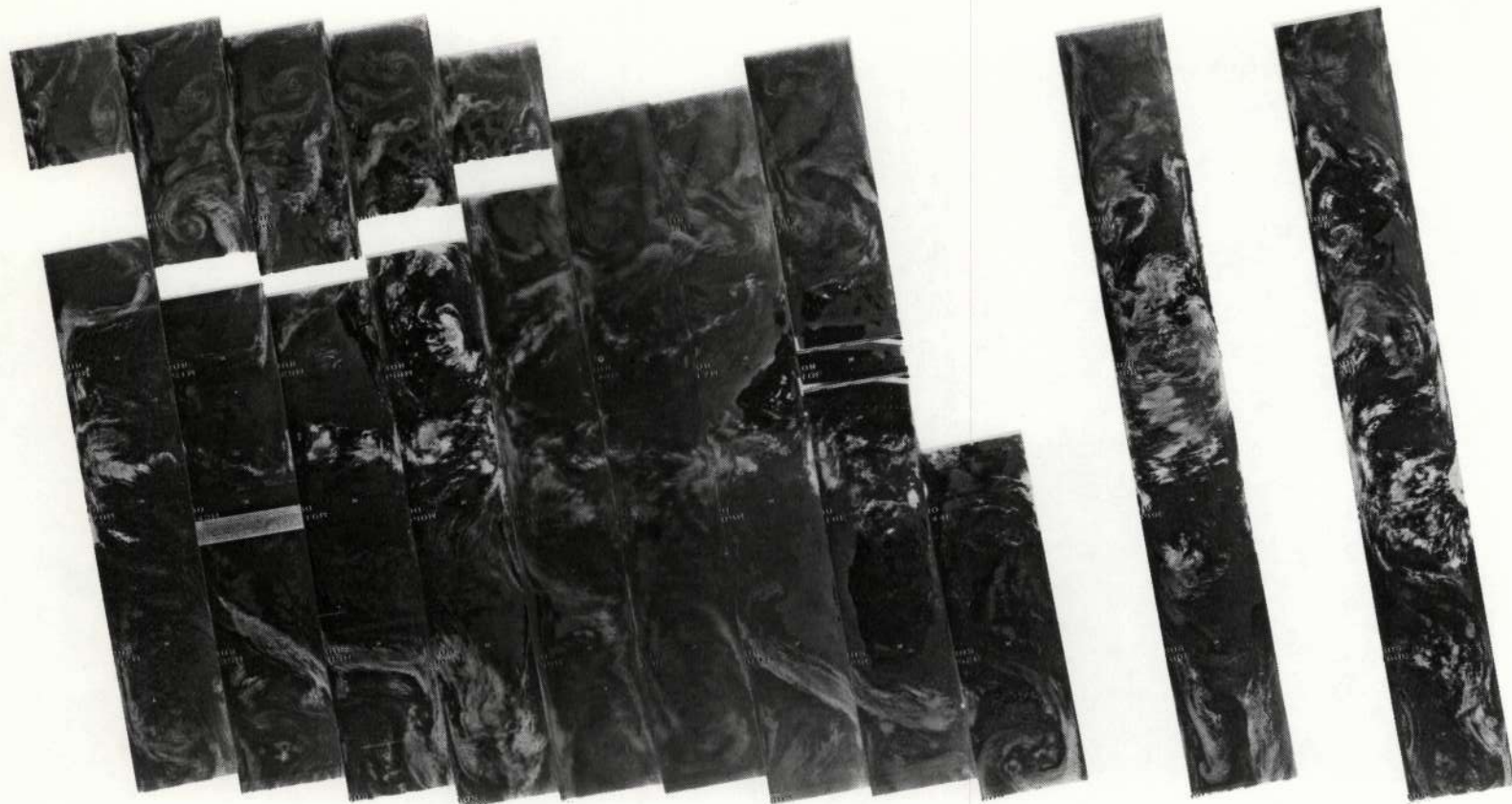
11.5 μ m



10 JULY 1970 NO 6.7 μ m DATA

4-150

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1271 1270 1269 1268 1267 1266 1265 1264 1263 1262 1261 1260 1259

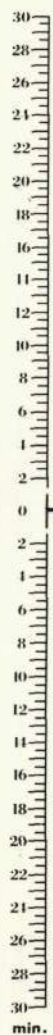
11 JULY 1970

11.5 μ m

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11 JULY 1970 NO 6.7 μ m DATA

4-152

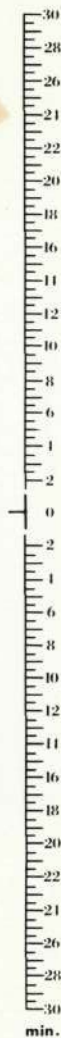


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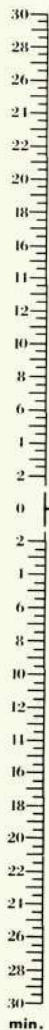
12 JULY 1970

11.5 μ m

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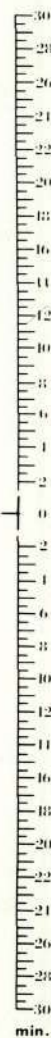
4-153



1284 1283 1282 1281 1280 1279 1278 1277 1276 1275 1274 1273 1272

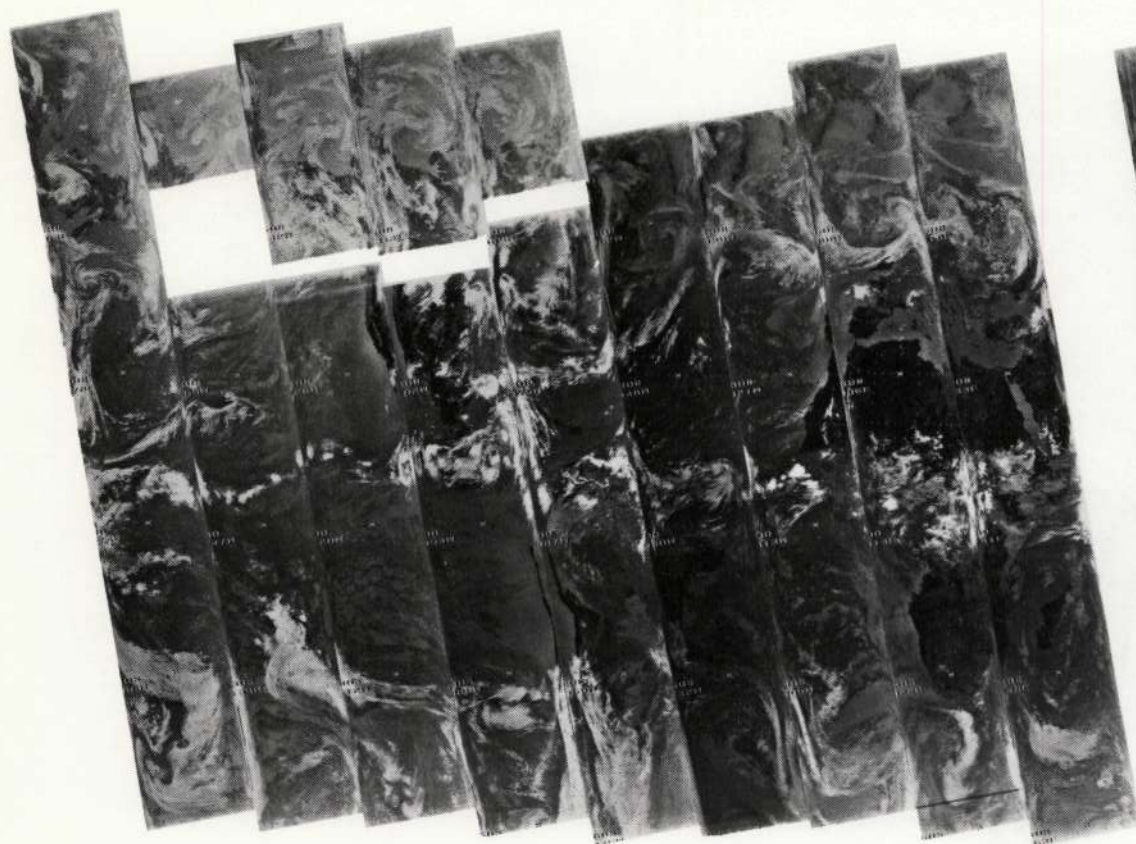
12 JULY 1970

6.7 μ m



4-154

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13 JULY 1970

11.5 μ m

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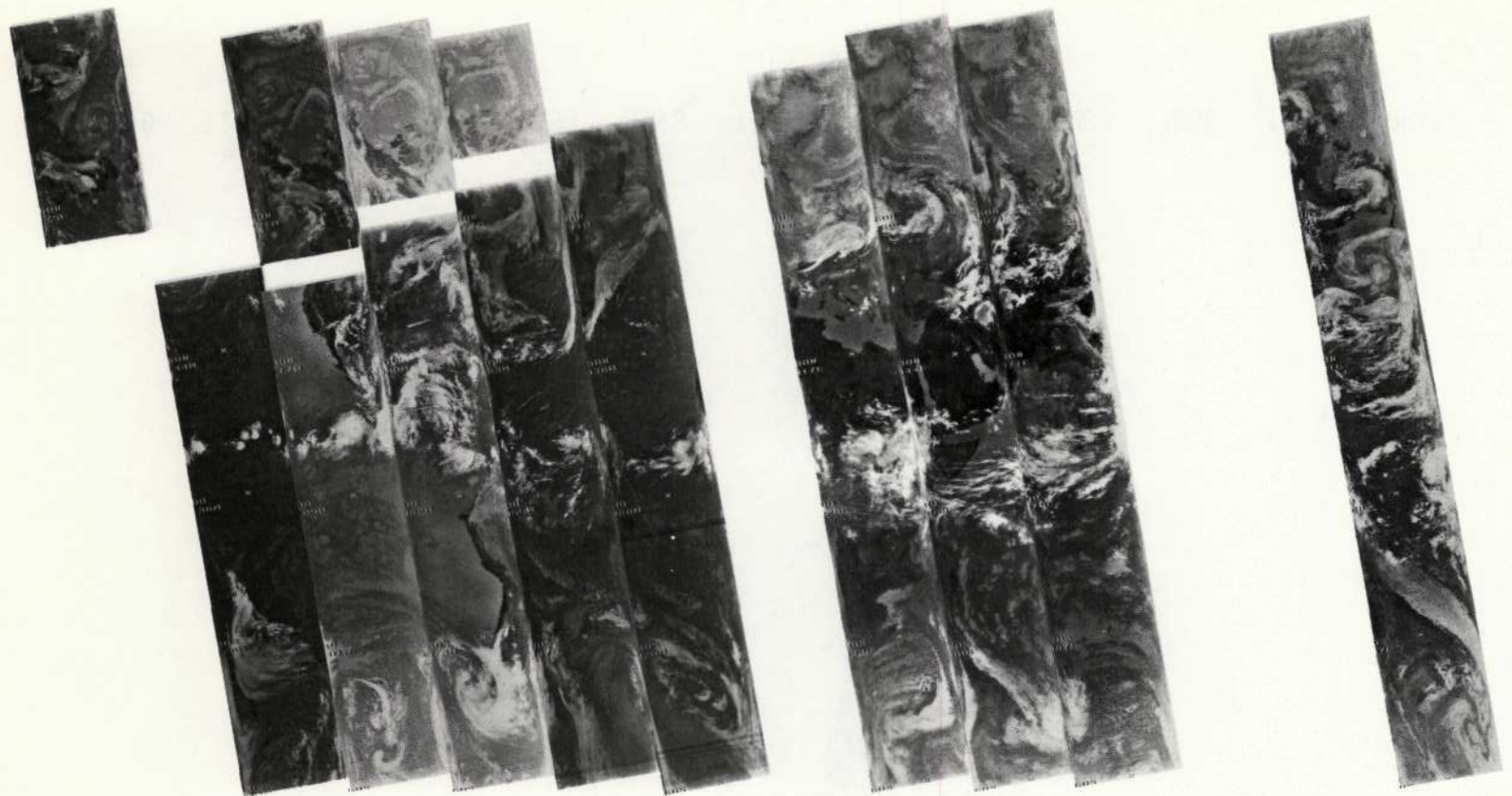
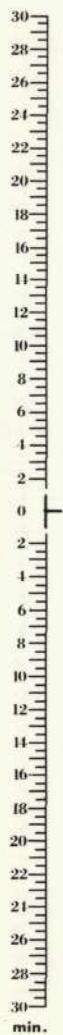
13 JULY 1970

6.7 μ m



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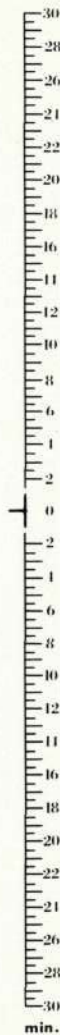
4-156



1311 1310 1309 1308 1307 1306 1305 1304 1303 1302 1301 1300 1299

14 JULY 1970

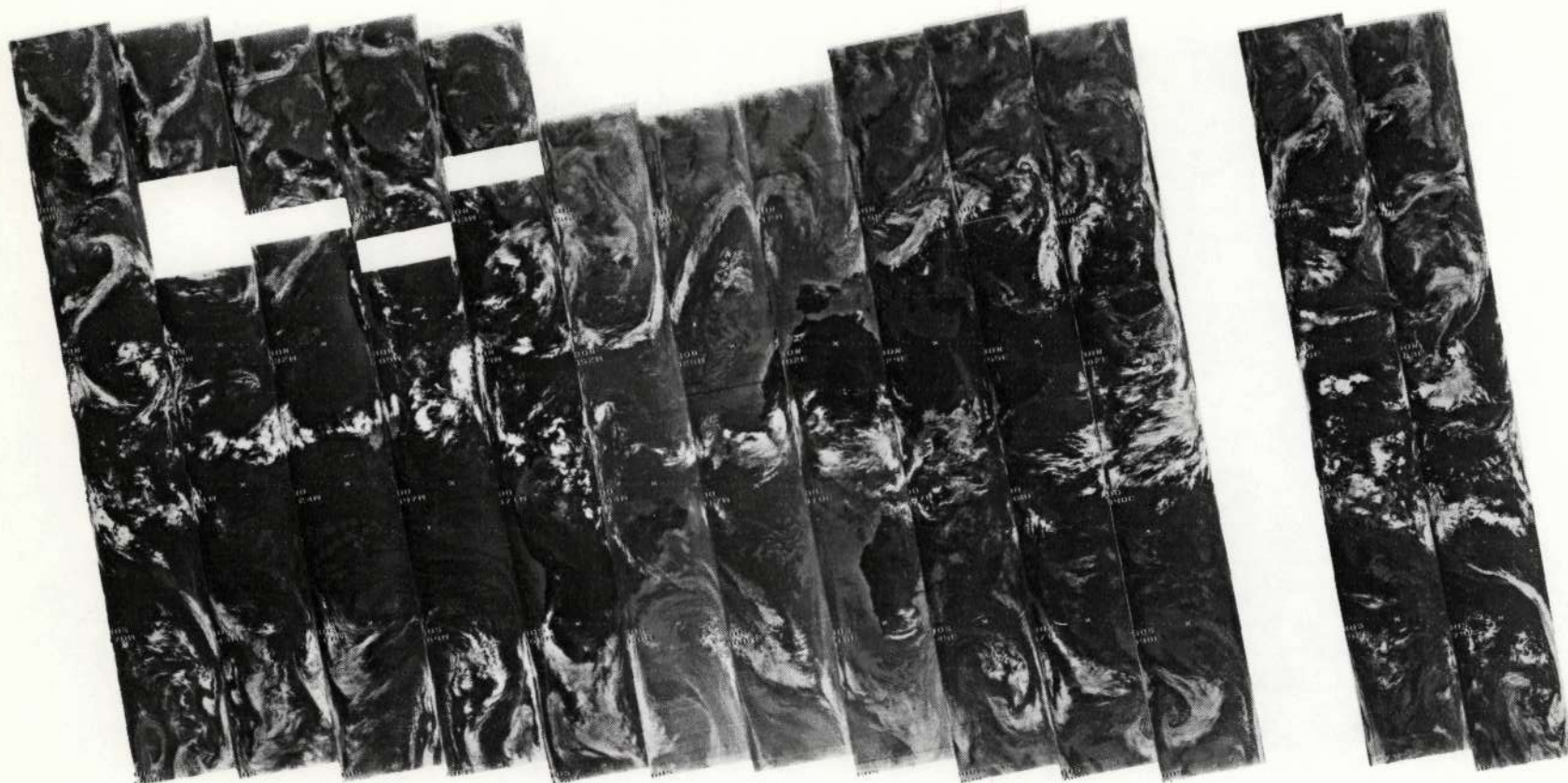
11.5 μ m



14 JULY 1970 NO 6.7 μ m DATA

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15 JULY 1970

11.5 μ m

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15 JULY 1970

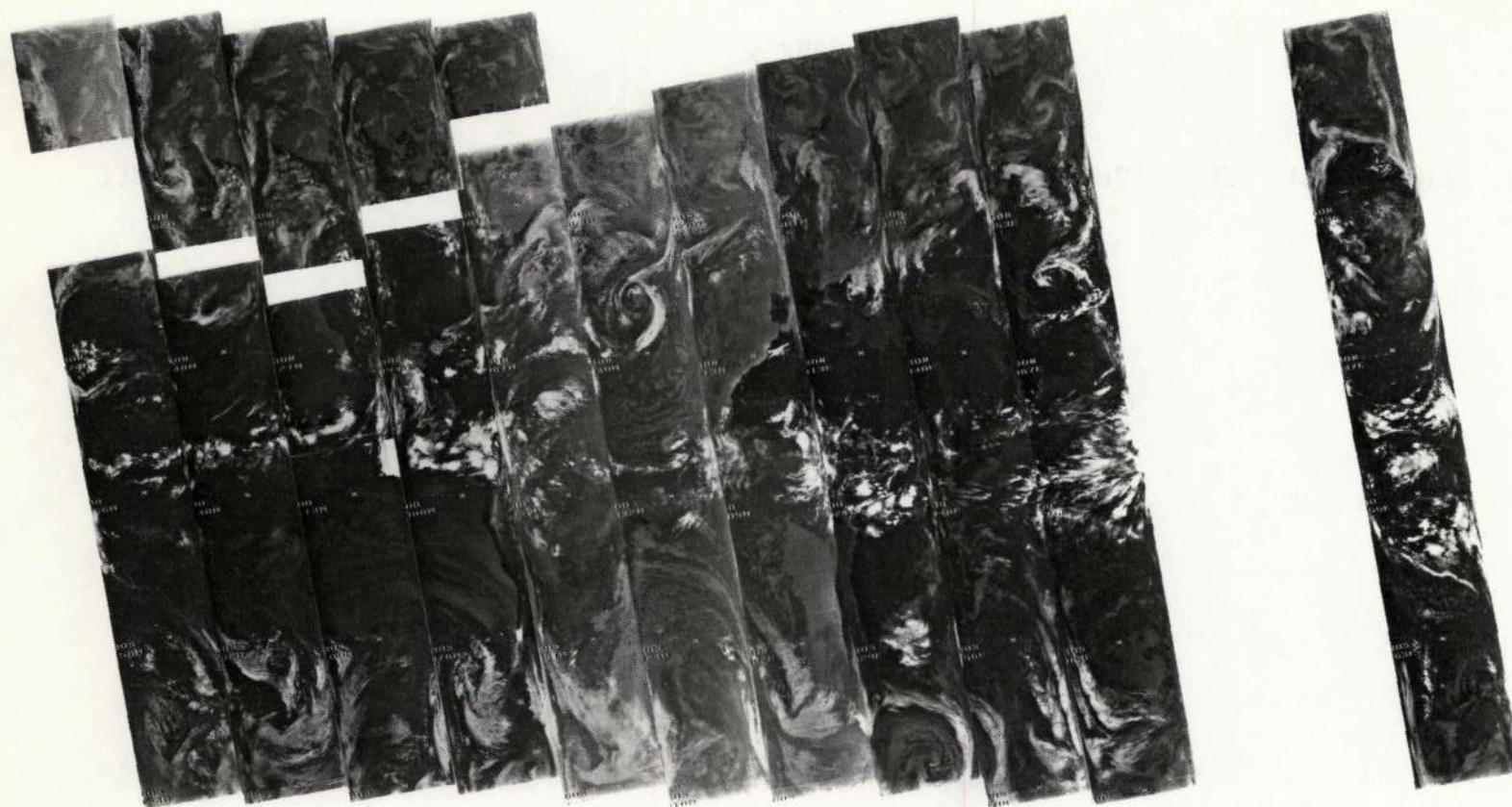
6.7 μ m



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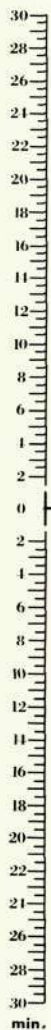
1338 1337 1336 1335 1334 1333 1332 1331 1330 1329 1328 1327 1326

16 JULY 1970

11.5 μ m

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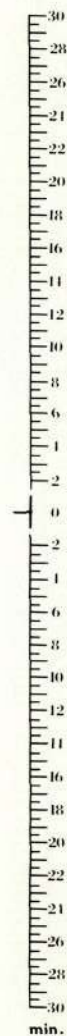
4-161



1338 1337 1336 1335 1334 1333 1332 1331 1330 1329 1328 1327 1326

16 JULY 1970

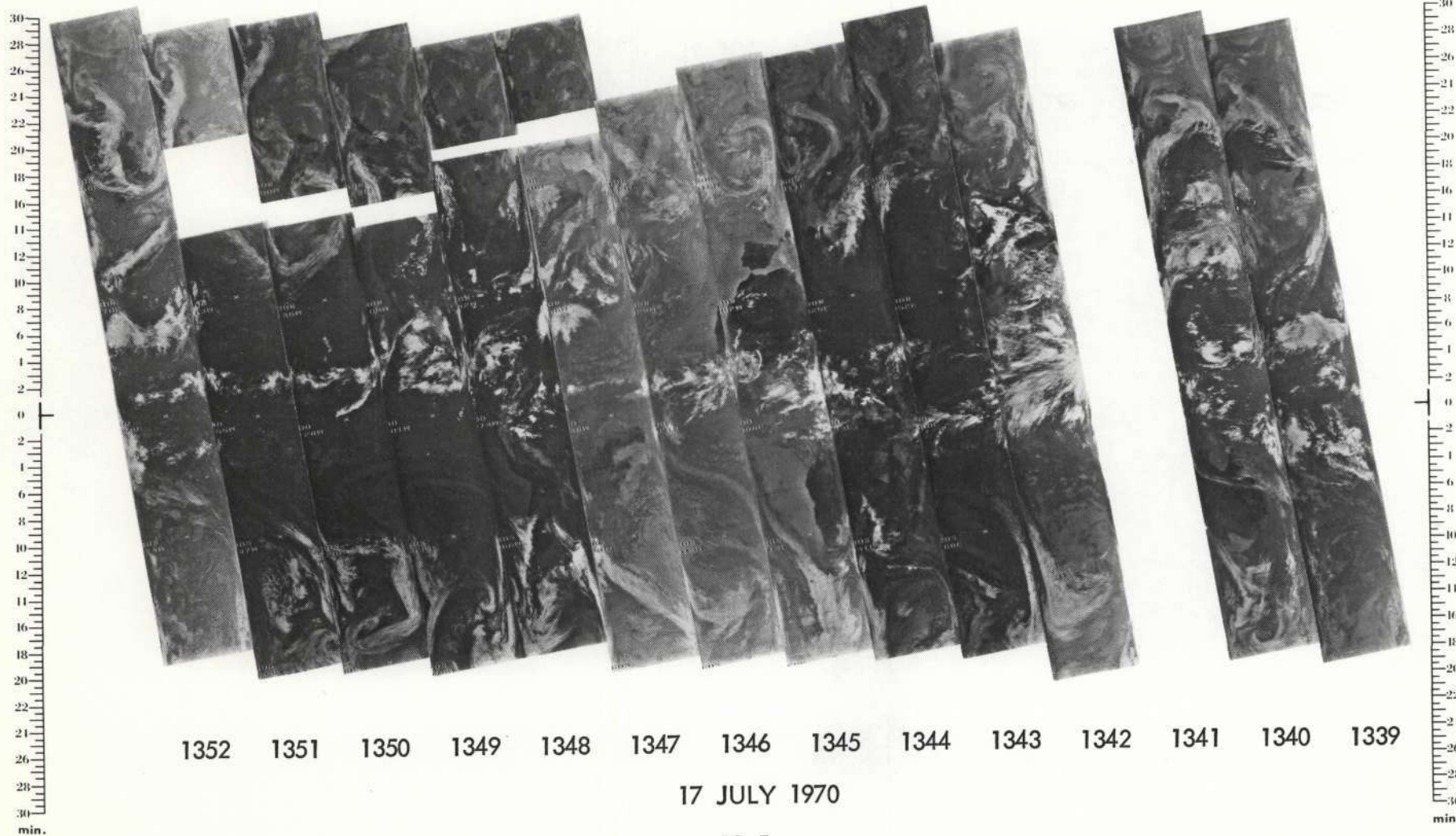
6.7 μ m



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4-162



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17 JULY 1970

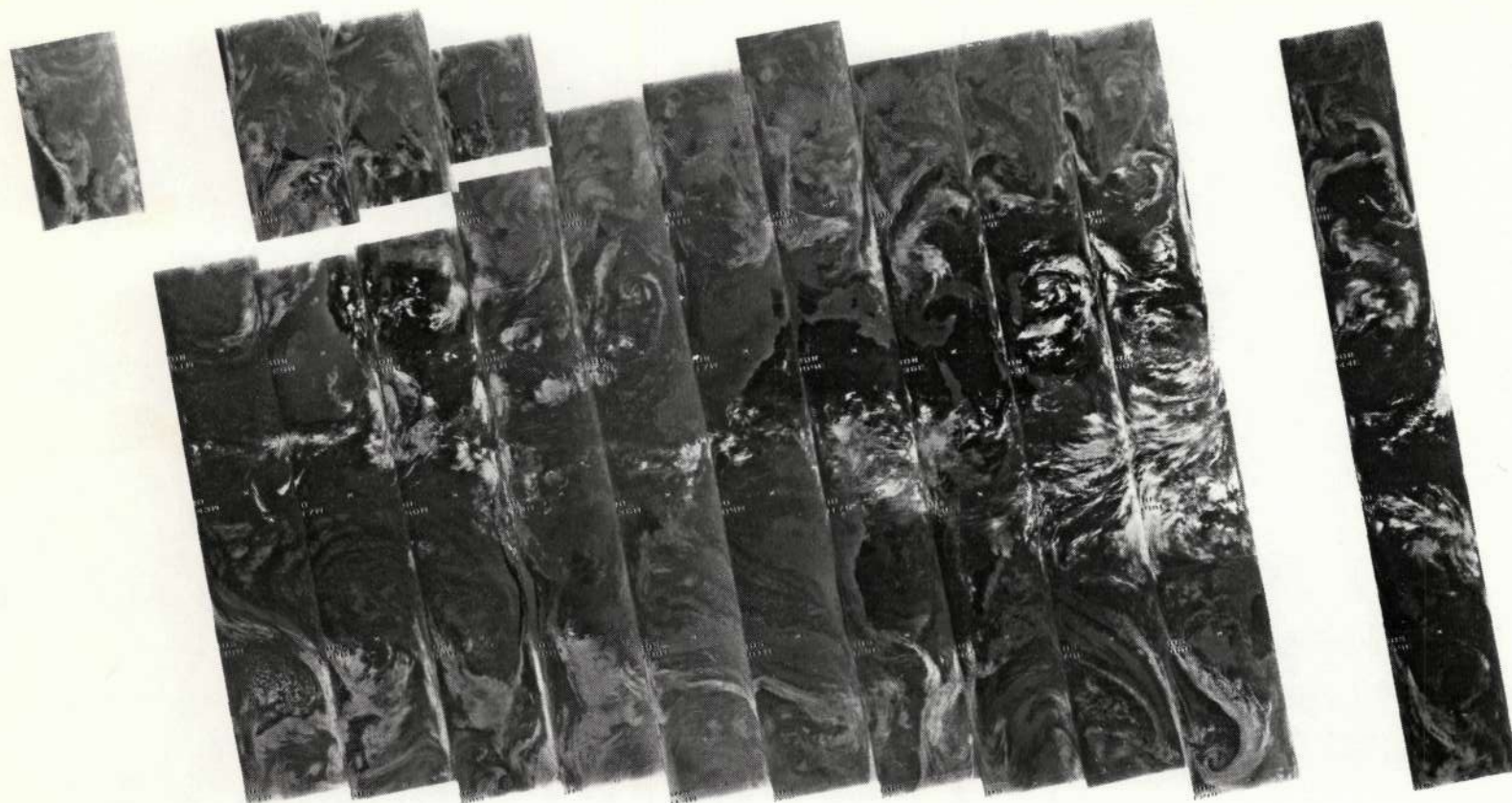
11.5 μ m

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17 JULY 1970 NO 6.7 μ m DATA

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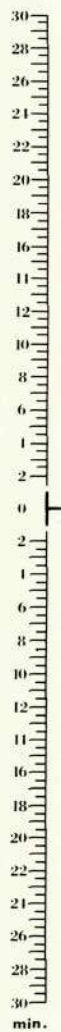
1365 1364 1363 1362 1361 1360 1359 1358 1357 1356 1355 1354 1353

18 JULY 1970

11.5 μ m

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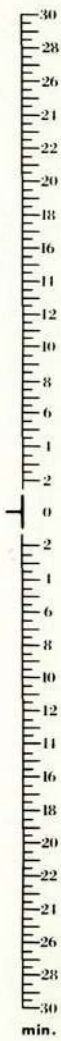
4-165



1365 1364 1363 1362 1361 1360 1359 1358 1357 1356 1355 1354 1353

18 JULY 1970

6.7 μ m



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19 JULY 1970

11.5 μ m

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1378 1377 1376 1375 1374 1373 1372 1371 1370 1369 1368 1367 1366

19 JULY 1970

6.7 μ m

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4-168

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20 JULY 1970

11.5 μ m

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1392 1391 1390 1389 1388 1387 1386 1385 1384 1383 1382 1381 1380 1379

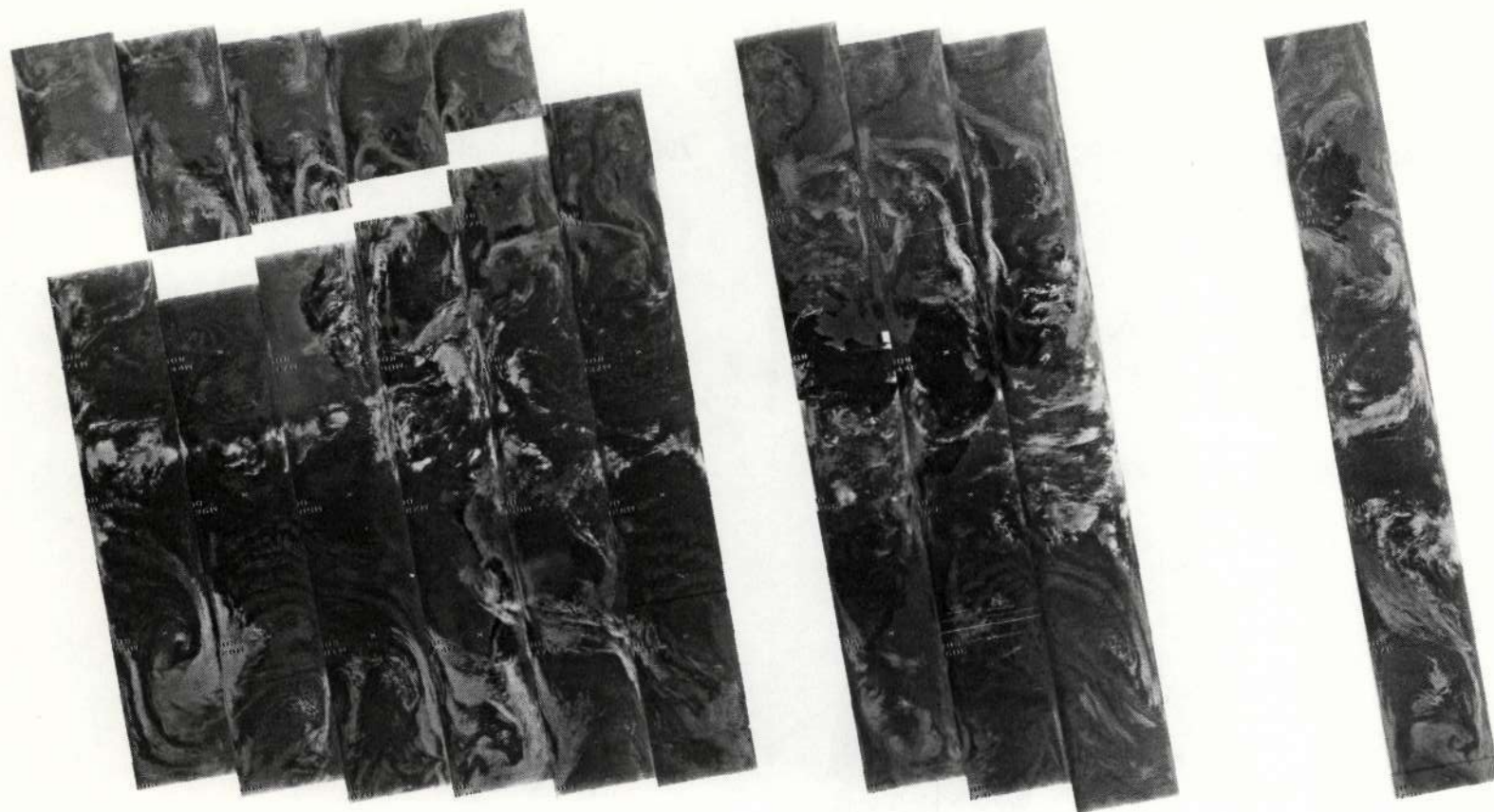
20 JULY 1970

6.7 μ m

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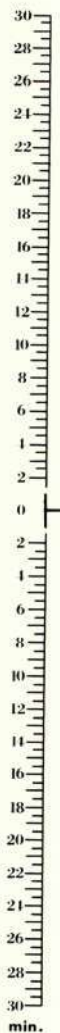
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21 JULY 1970

11.5 μ m

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4-171



1405 1404 1403 1402 1401 1400 1399 1398 1397 1396 1395 1394 1393

21 JULY 1970

6.7 μ m



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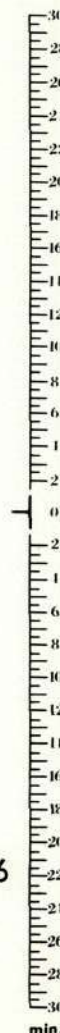
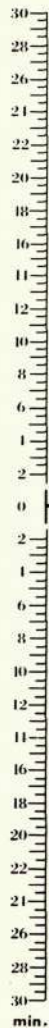
1419 1418 1417 1416 1415 1414 1413 1412 1411 1410 1409 1408 1407 1406

22 JULY 1970

11.5 μ m

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4-173



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22 JULY 1970

6.7 μ m

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23 JULY 1970

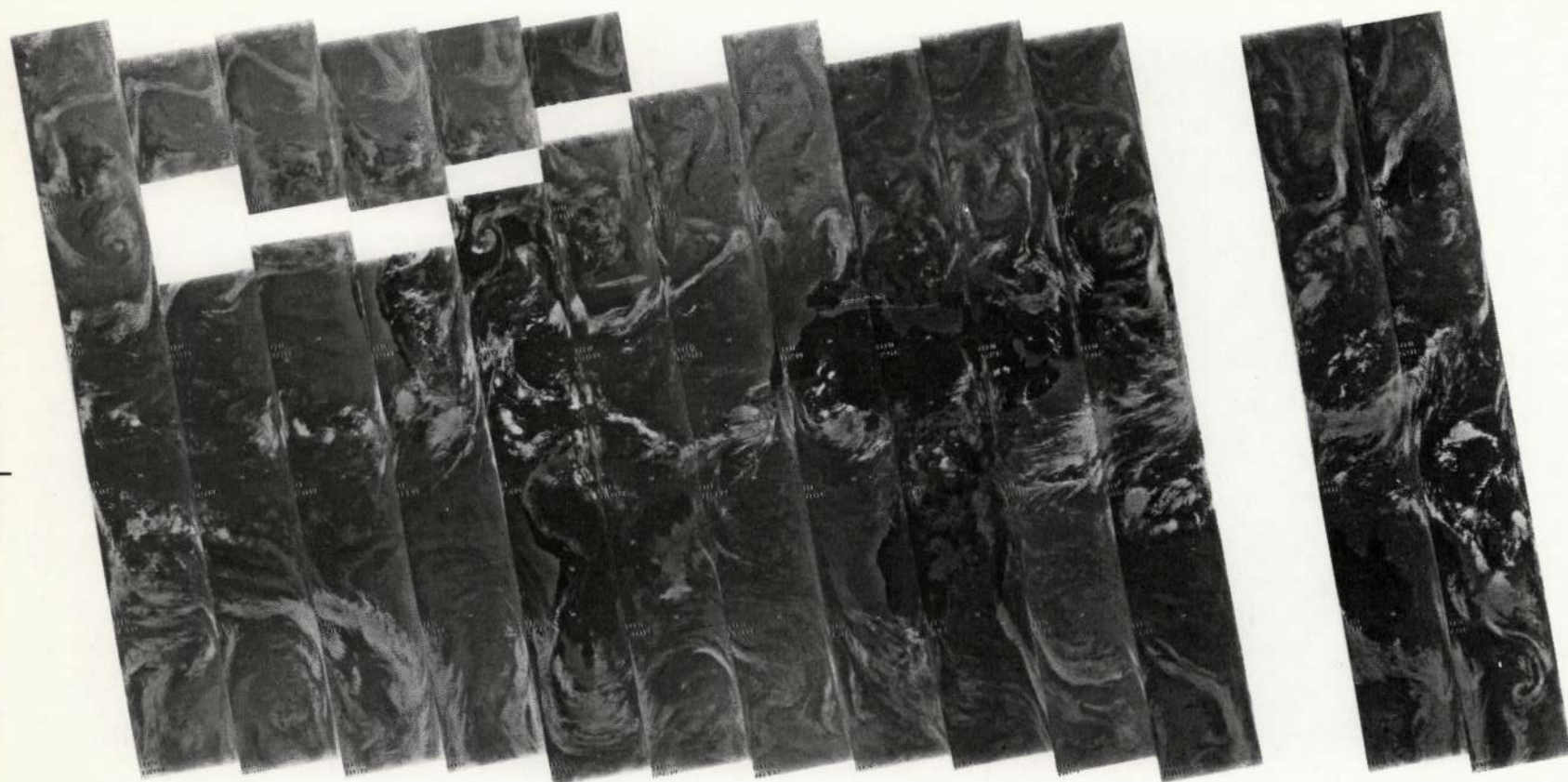
11.5 μ m

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23 JULY 1970 NO 6.7 μ m DATA

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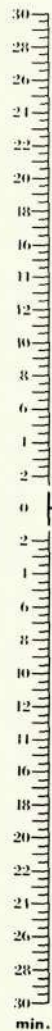
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24 JULY 1970

11.5 μ m

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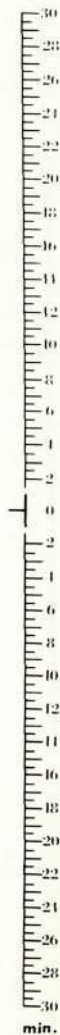
4-177



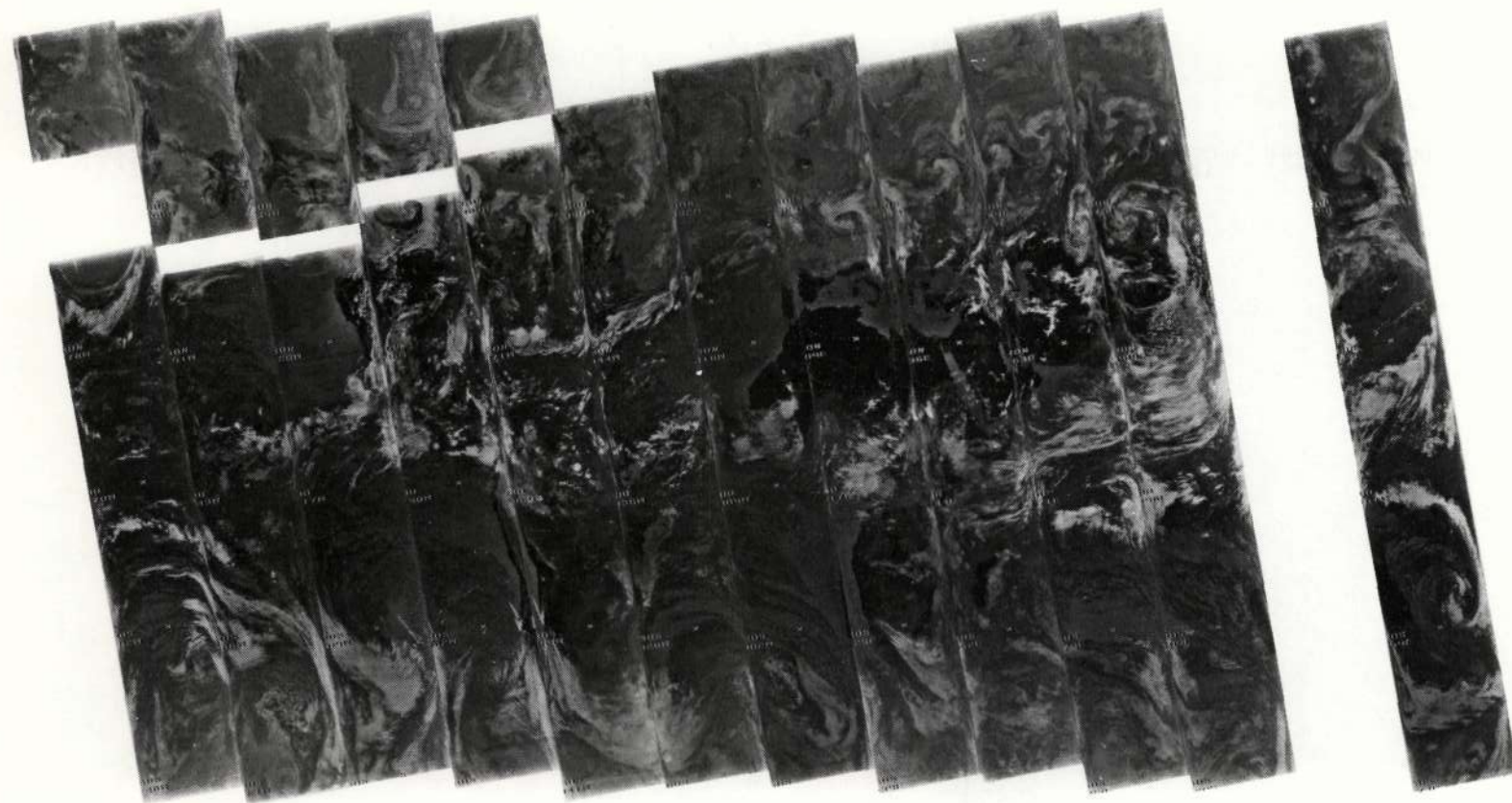
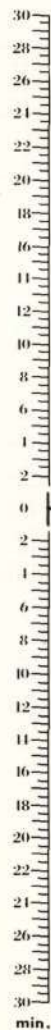
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24 JULY 1970

6.7 μ m



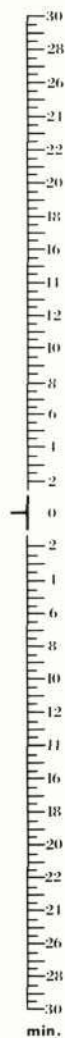
4-178



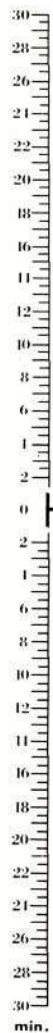
1459 1458 1457 1456 1455 1454 1453 1452 1451 1450 1449 1448 1447

25 JULY 1970

11.5 μ m



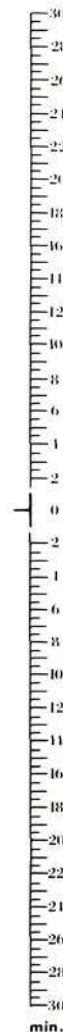
4-179



1459 1458 1457 1456 1455 1454 1453 1452 1451 1450 1449 1448 1447

25 JULY 1970

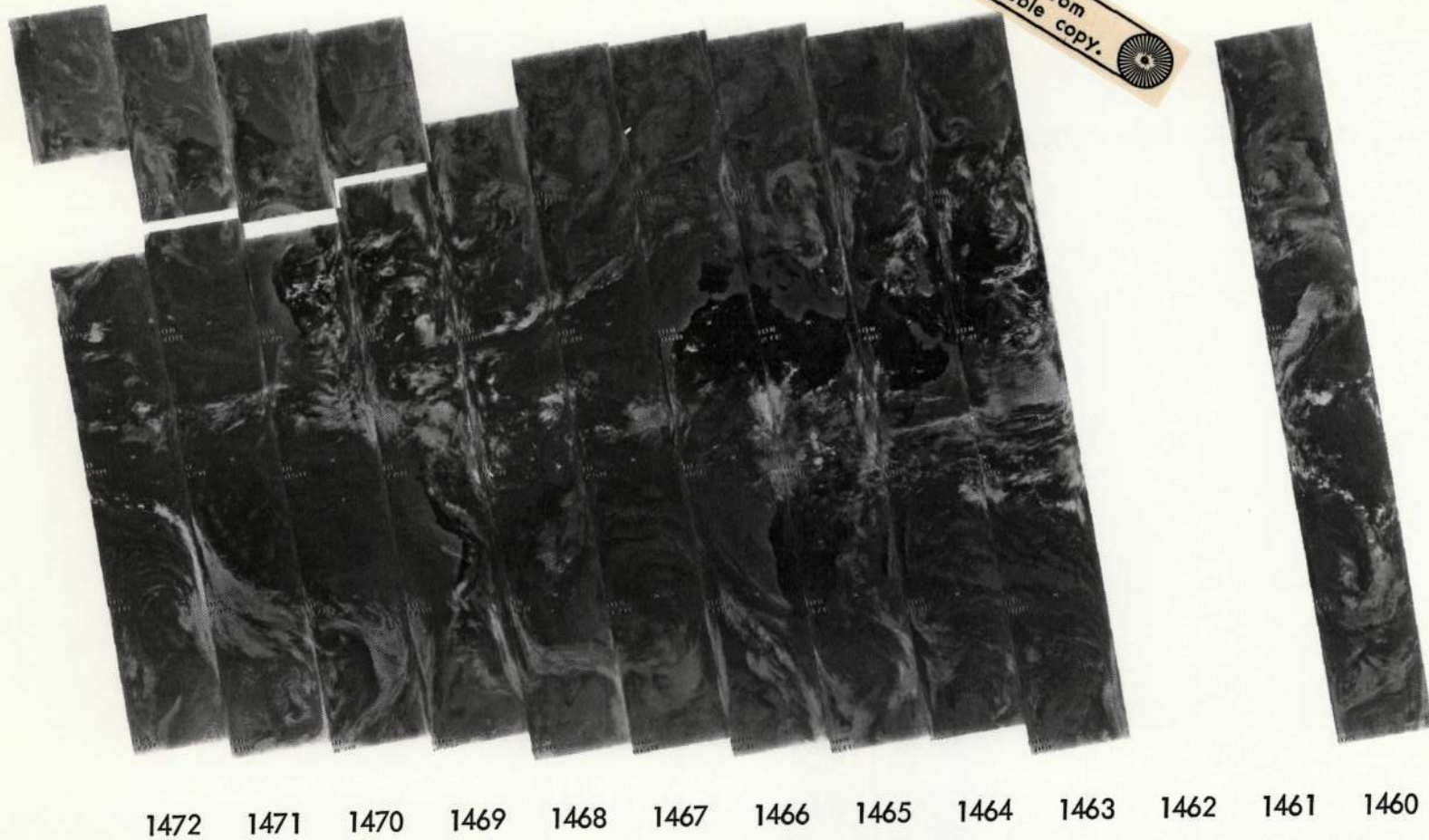
6.7 μ m



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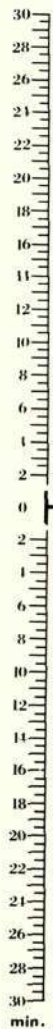


26 JULY 1970

11.5 μ m

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4-181



1472 1471 1470 1469 1468 1467 1466 1465 1464 1463 1462 1461 1460

26 JULY 1970

6.7 μ m



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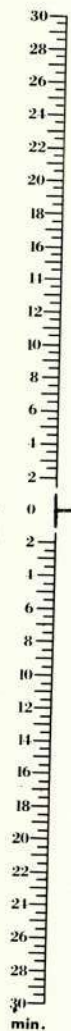
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27 JULY 1970

11.5 μ m

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4-183

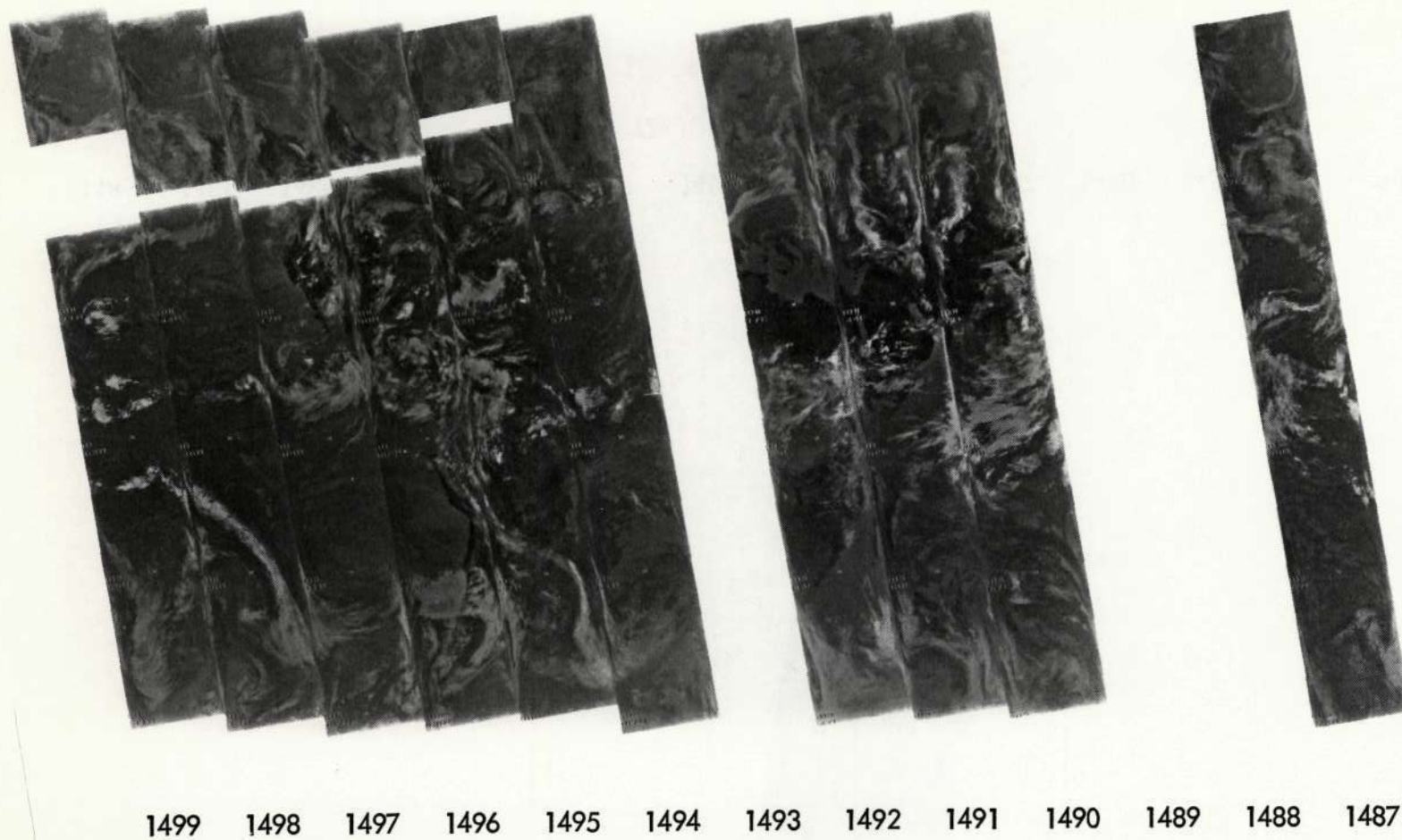
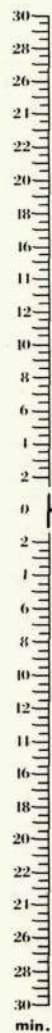


1486 1485 1484 1483 1482 1481 1480 1479 1478 1477 1476 1475 1474 1473

27 JULY 1970

6.7 μ m

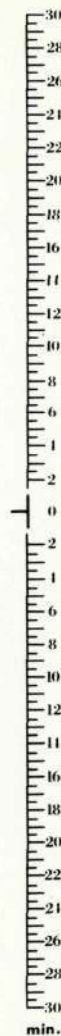




1499 1498 1497 1496 1495 1494 1493 1492 1491 1490 1489 1488 1487

28 JULY 1970

11.5 μ m



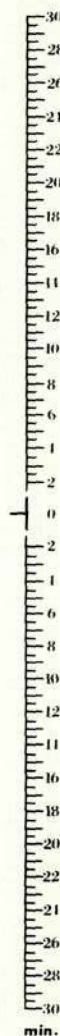
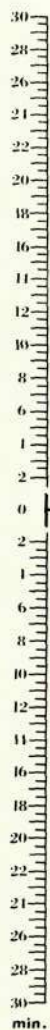
4-185



1499 1498 1497 1496 1495 1494 1493 1492 1491 1490 1489 1488 1487

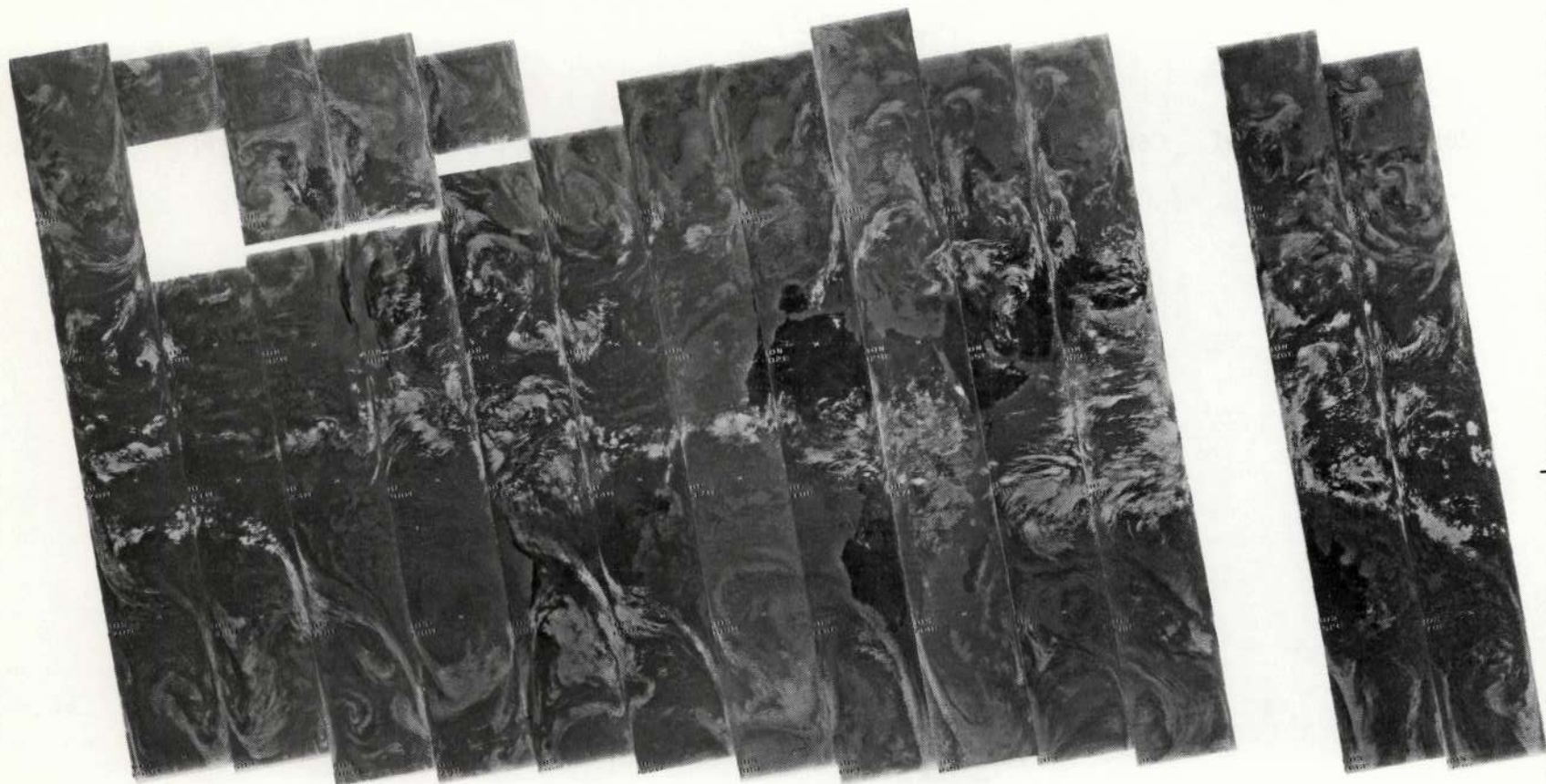
28 JULY 1970

6.7 μ m



4-186

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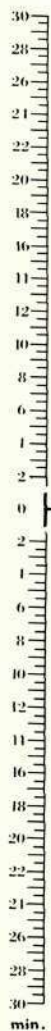
1513 1512 1511 1510 1509 1508 1507 1506 1505 1504 1503 1502 1501 1500

29 JULY 1970

11.5 μ m

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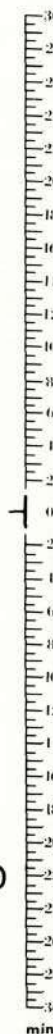
4-187



1513 1512 1511 1510 1509 1508 1507 1506 1505 1504 1503 1502 1501 1500

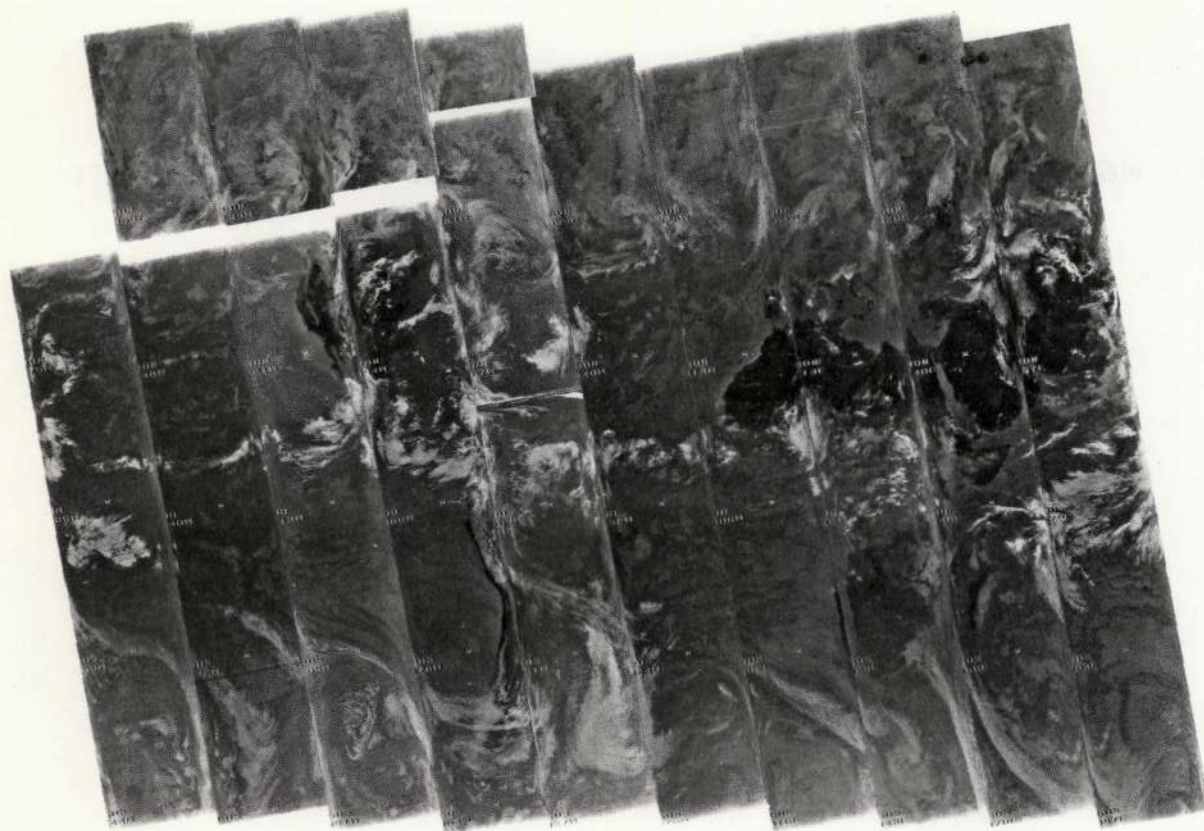
29 JULY 1970

6.7 μ m



4-188

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30 JULY 1970

11.5 μ m

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30 JULY 1970 NO 6.7 μ m DATA

4-190

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31 JULY 1970

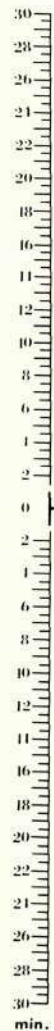
11.5 μ m

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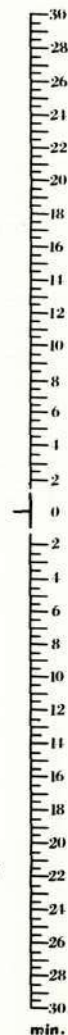
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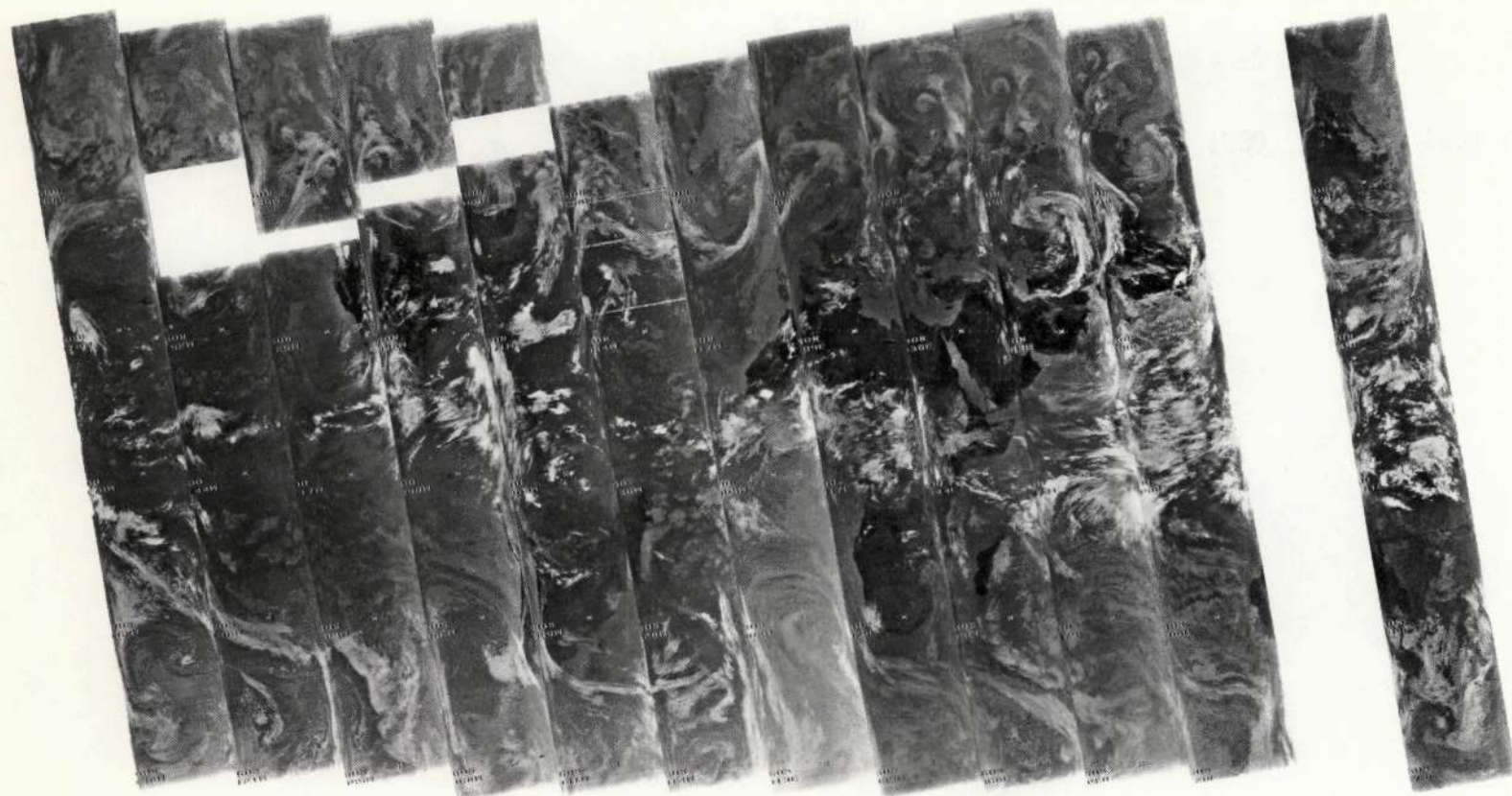
31 JULY 1970

6.7 μ m



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1 AUGUST 1970

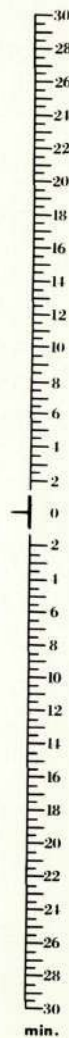
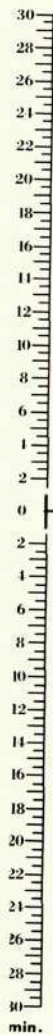
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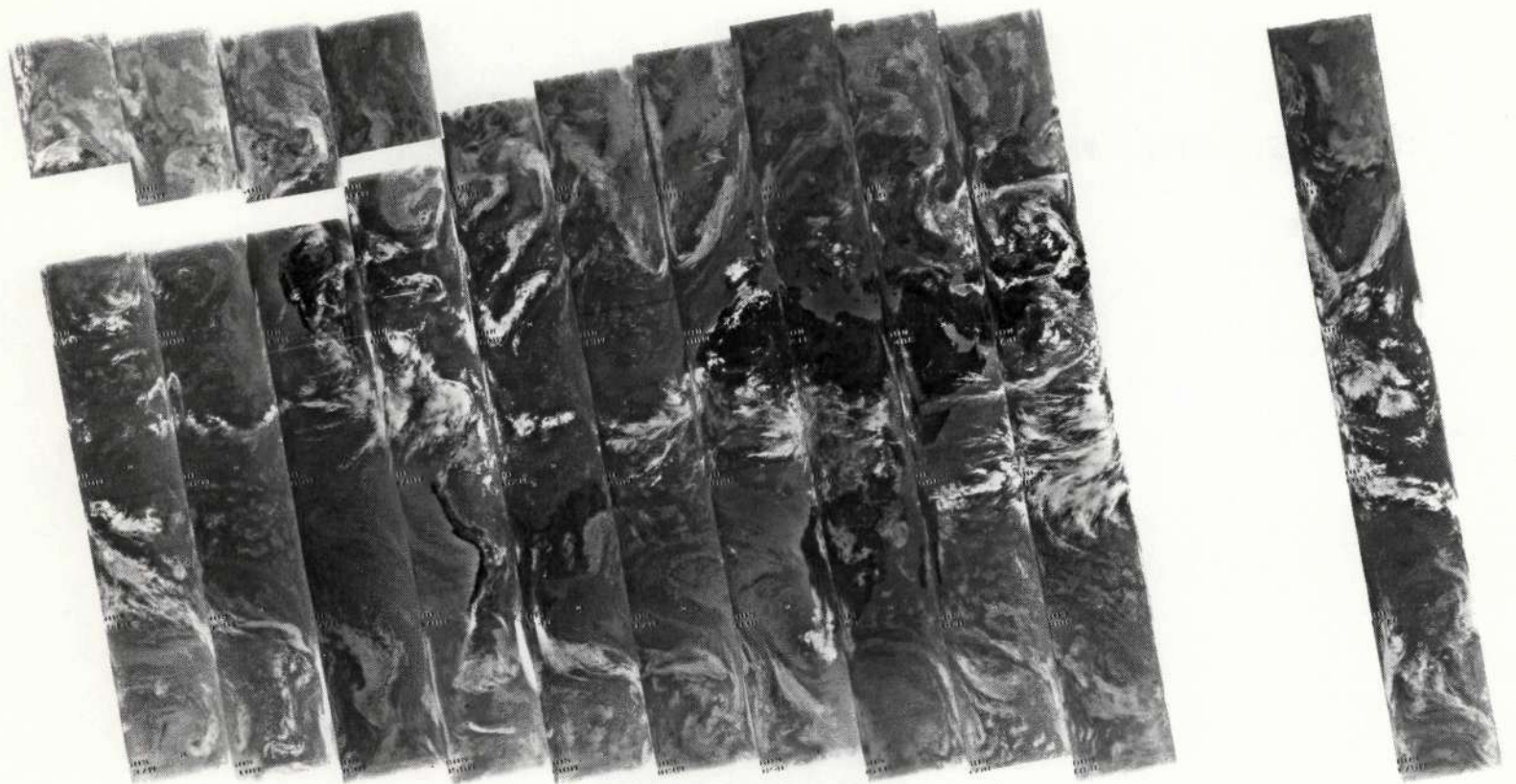
1 AUGUST 1970

6.7 μ m



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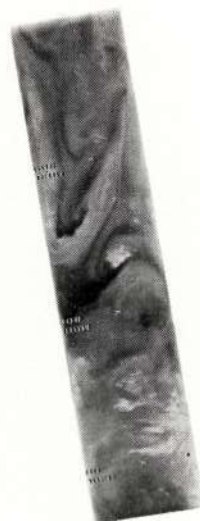
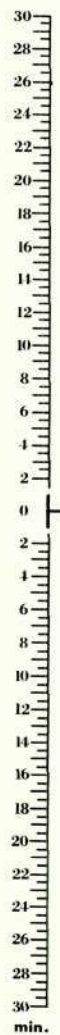
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2 AUGUST 1970

11.5 μ m

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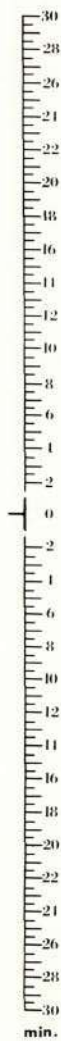
4-195



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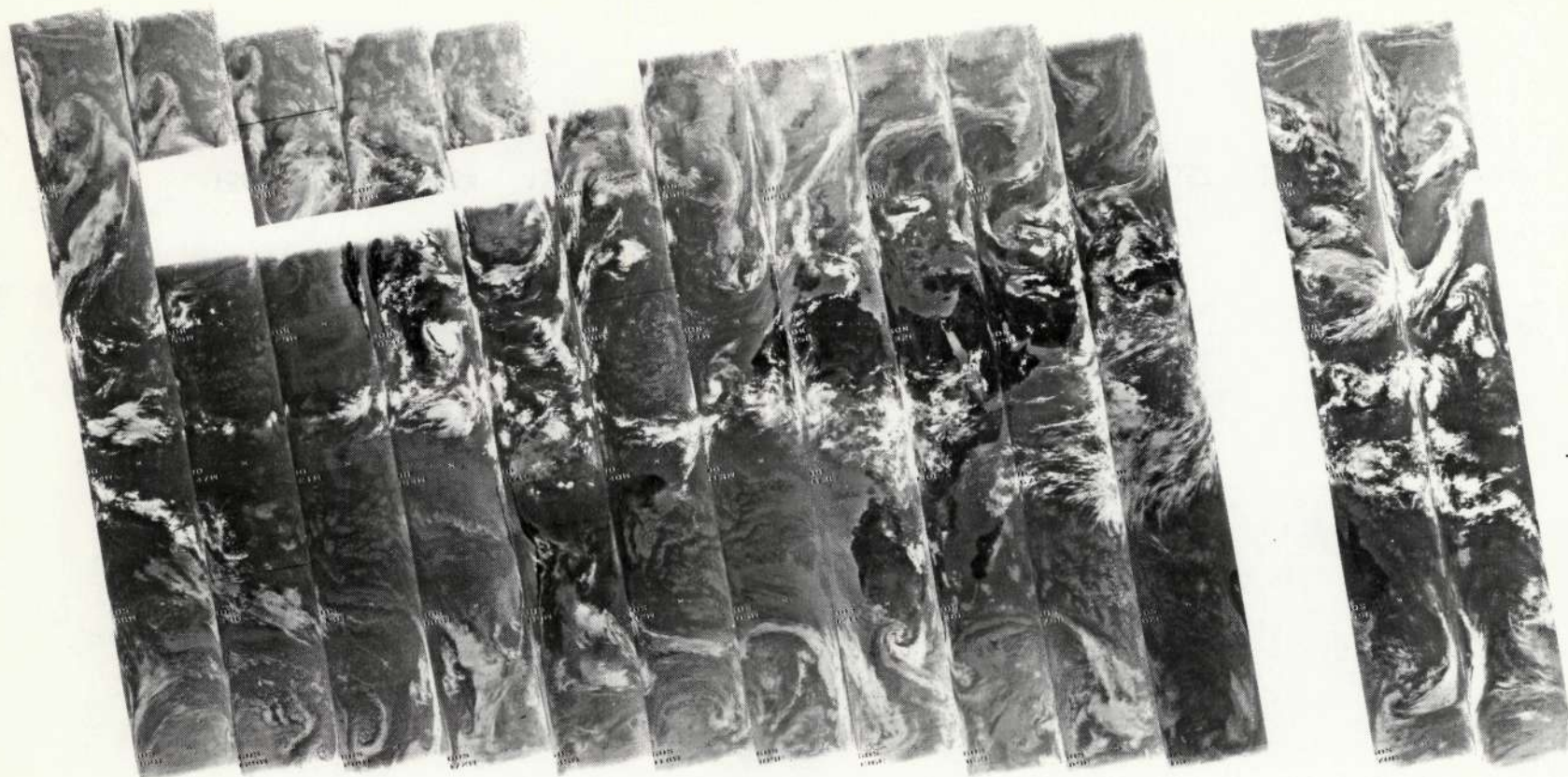
2 AUGUST 1970

6.7 μ m



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3 AUGUST 1970

11.5 μ m

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3 AUGUST 1970

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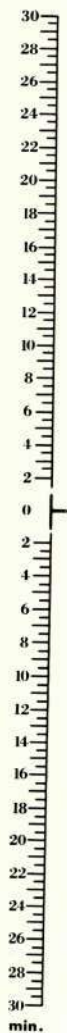
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4 AUGUST 1970

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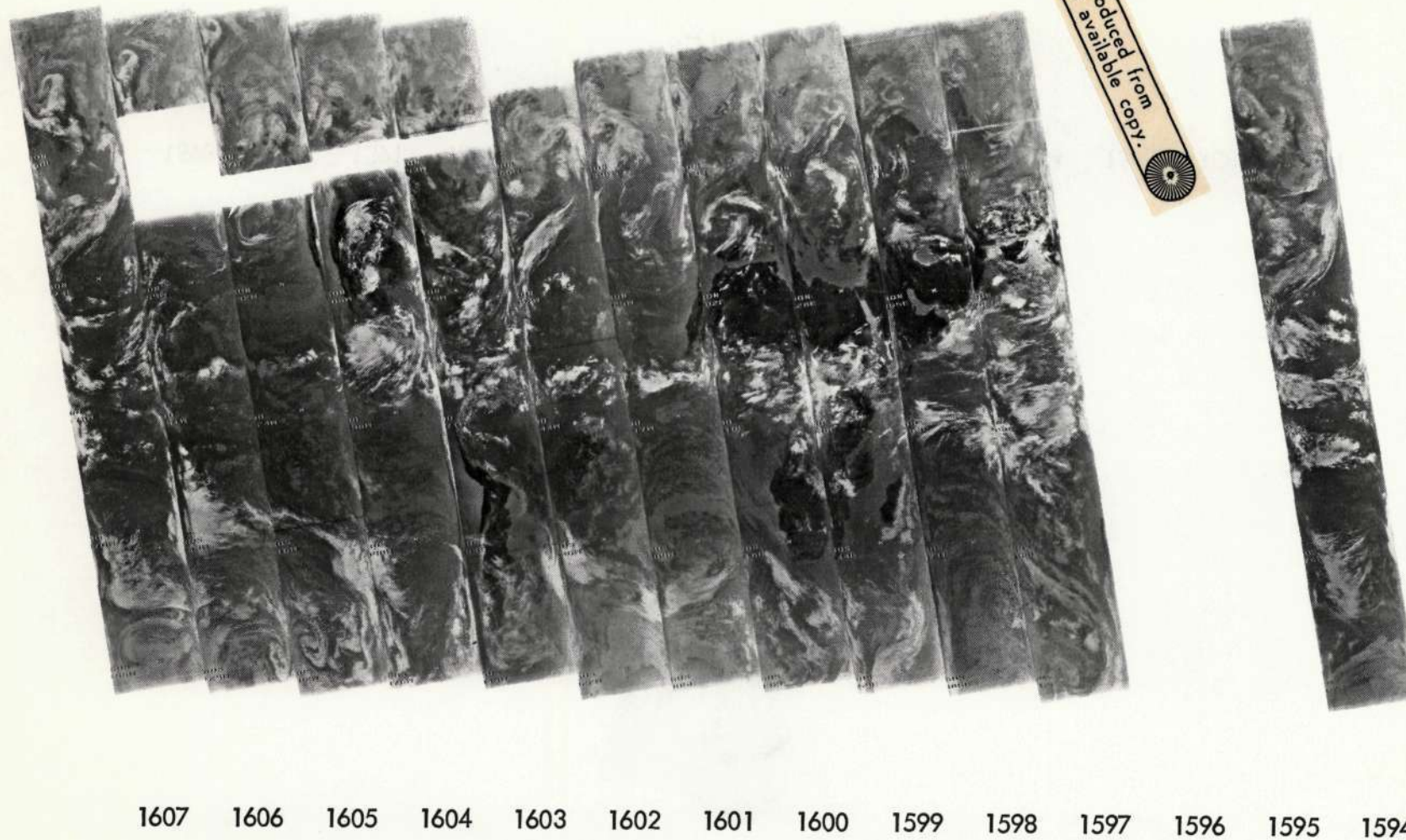
4 AUGUST 1970

6.7 μ m



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5 AUGUST 1970

11.5 μ m

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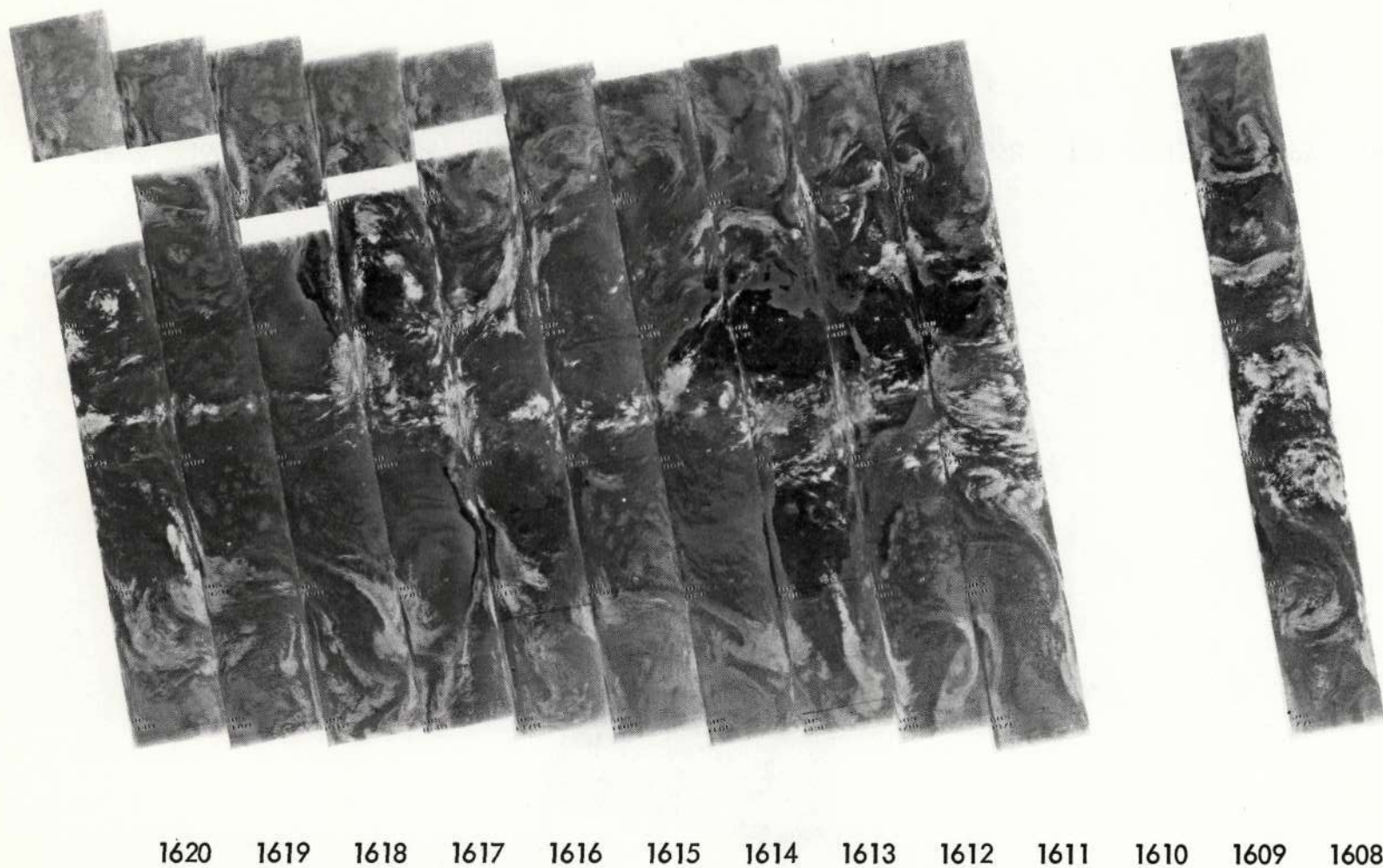
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5 AUGUST 1970

6.7 μ m

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6 AUGUST 1970

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4-203

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1620 1619 1618 1617 1616 1615 1614 1613 1612 1611 1610 1609 1608

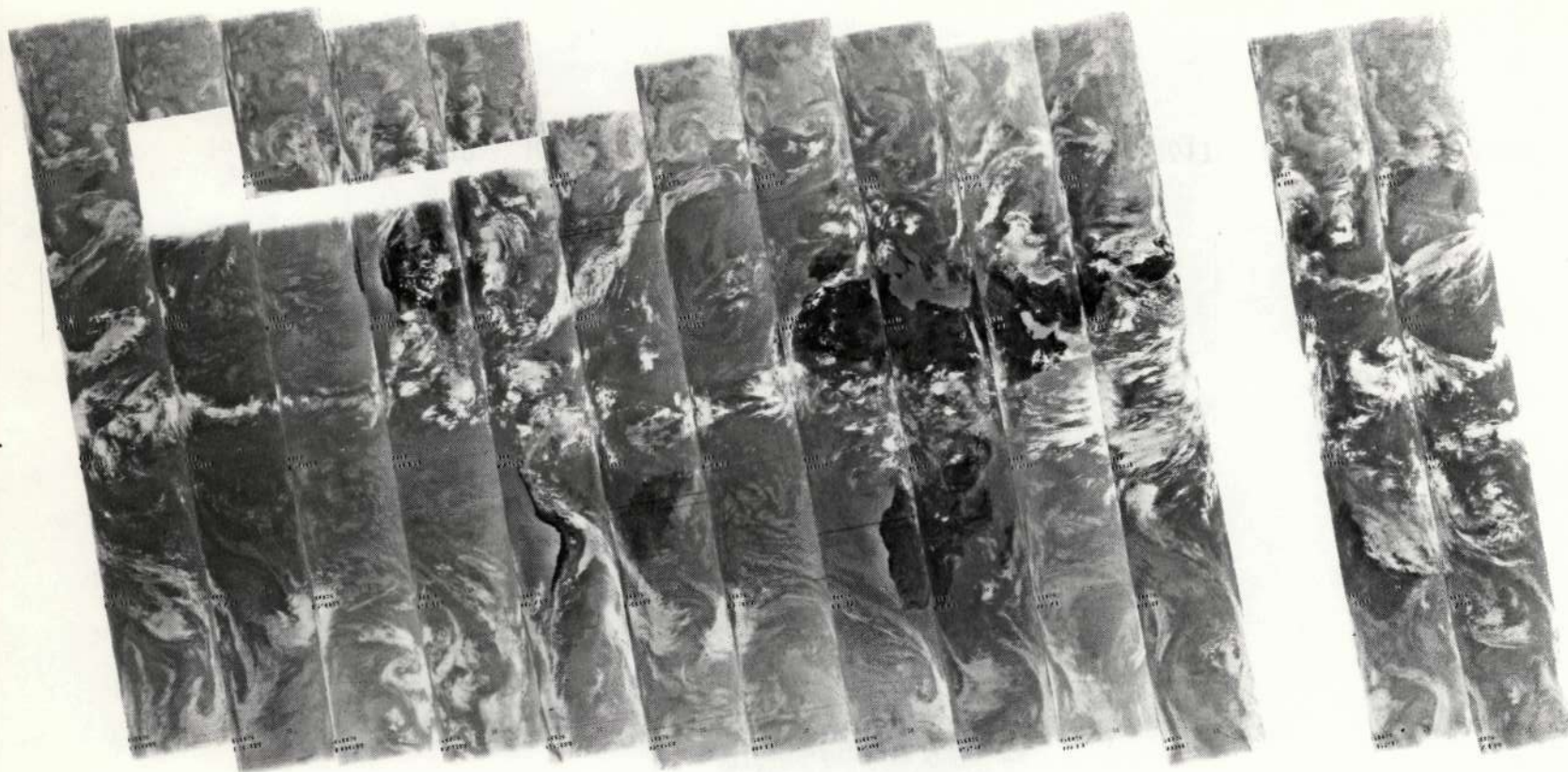
6 AUGUST 1970

6.7 μ m

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4-204

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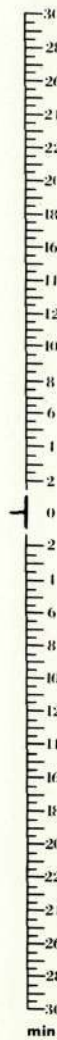
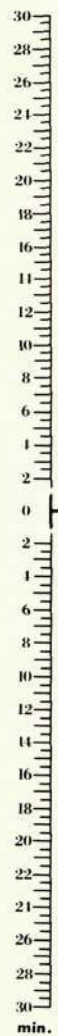
1634 1633 1632 1631 1630 1629 1628 1627 1626 1625 1624 1623 1622 1621

7 AUGUST 1970

11.5 μ m

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4-205



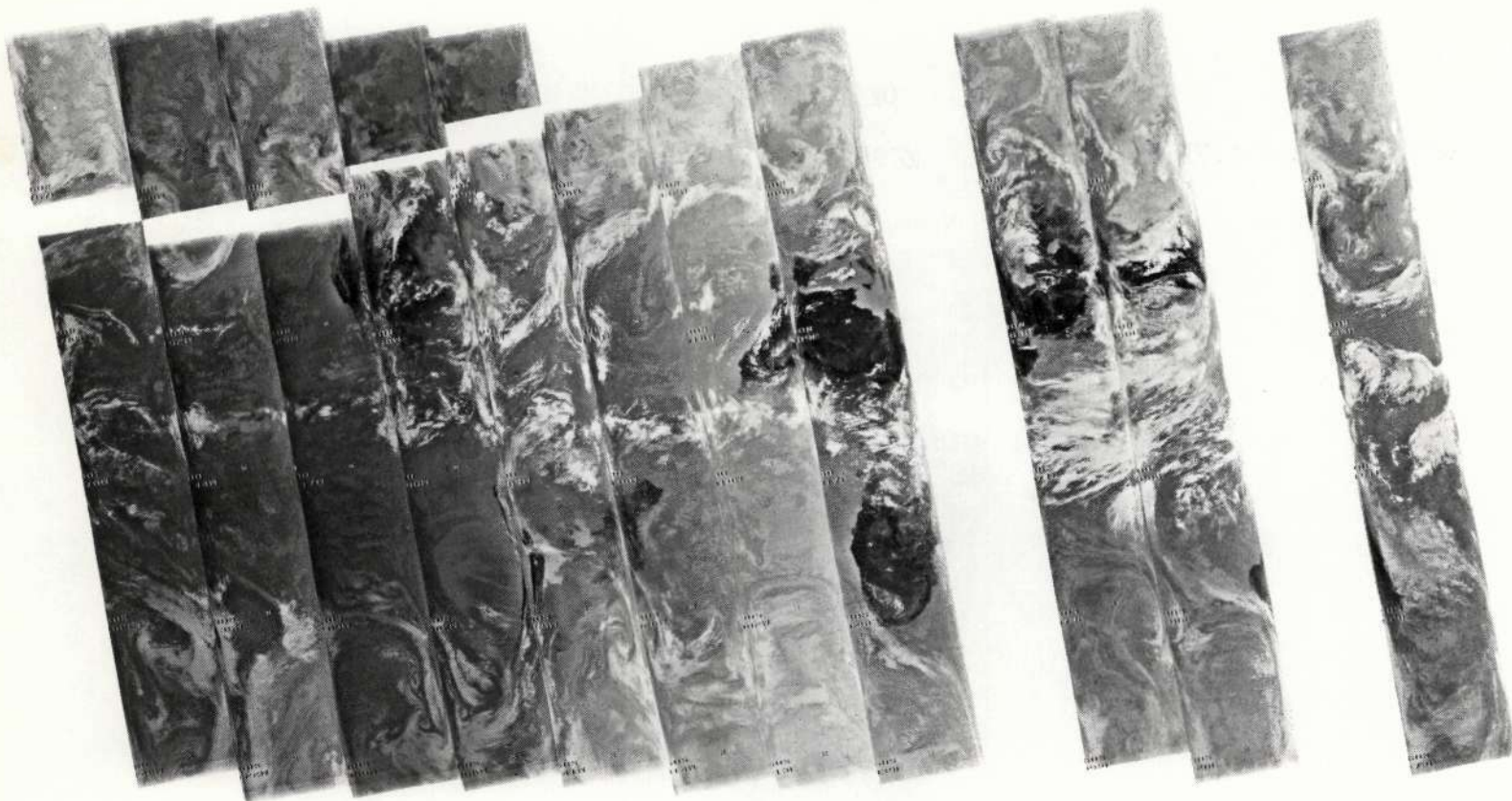
1634 1633 1632 1631 1630 1629 1628 1627 1626 1625 1624 1623 1622 1621

7 AUGUST 1970

6.7 μ m

4-206

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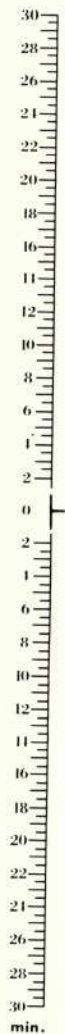
1647 1646 1645 1644 1643 1642 1641 1640 1639 1638 1637 1636 1635

8 AUGUST 1970

11.5 μ m

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4-207



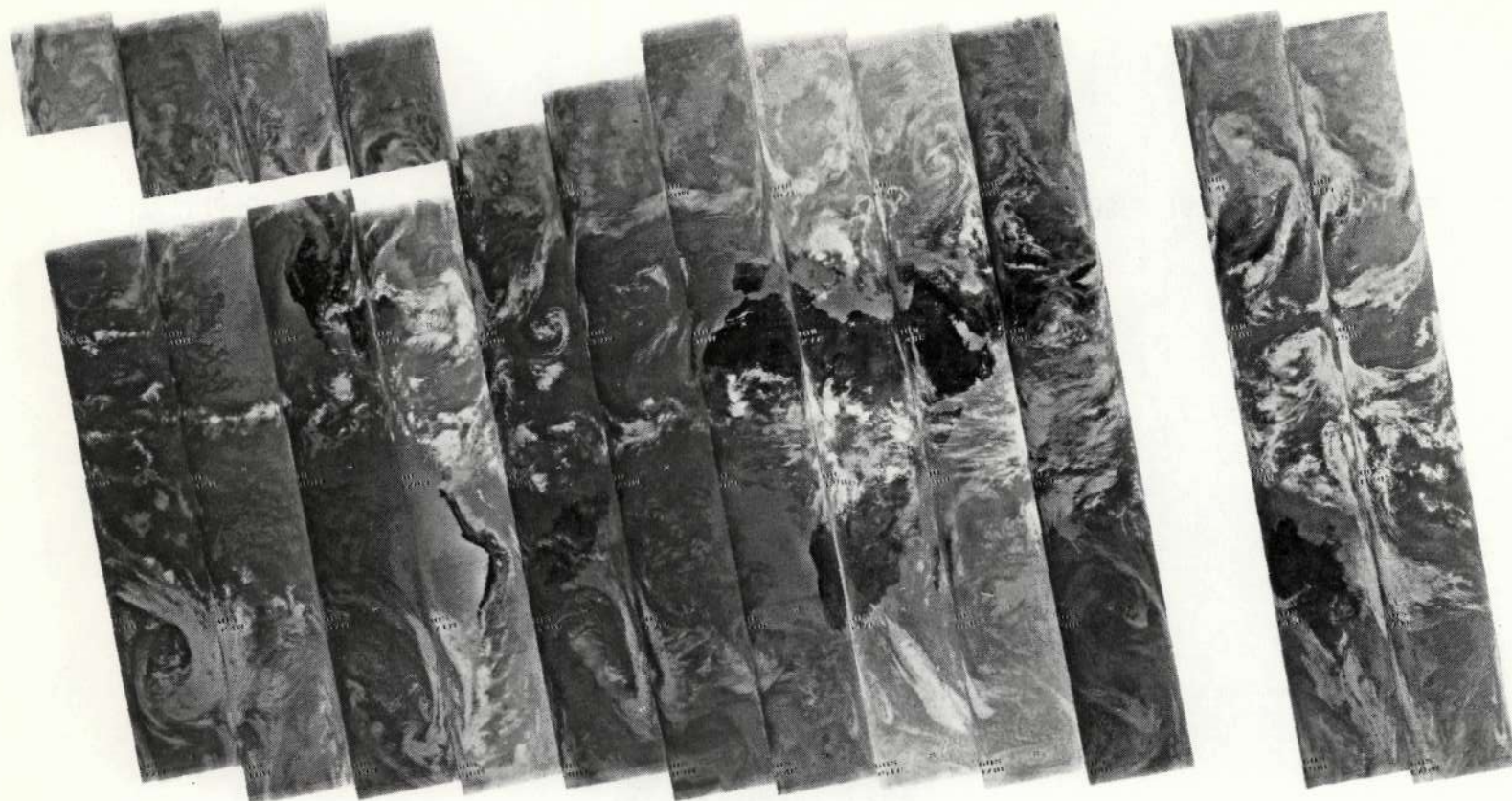
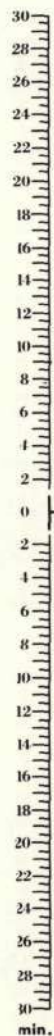
1647 1646 1645 1644 1643 1642 1641 1640 1639 1638 1637 1636 1635

8 AUGUST 1970

6.7 μ m



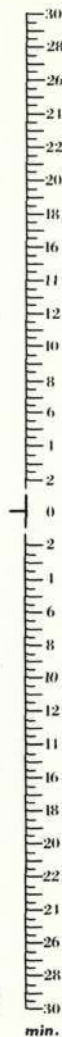
4-208



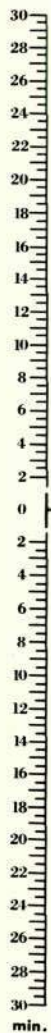
1660 1659 1658 1657 1656 1655 1654 1653 1652 1651 1650 1649 1648

9 AUGUST 1970

11.5 μ m



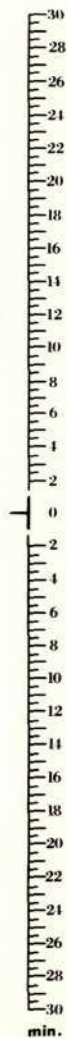
4-209



1660 1659 1658 1657 1656 1655 1654 1653 1652 1651 1650 1649 1648

9 AUGUST 1970

6.7 μ m



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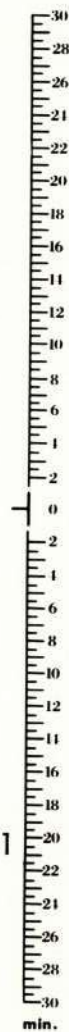
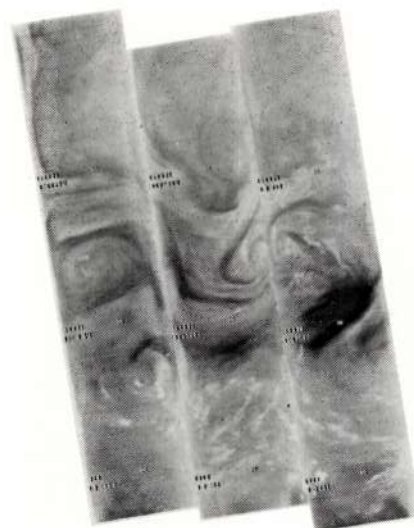
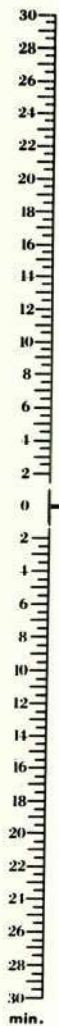
1674 1673 1672 1671 1670 1669 1668 1667 1666 1665 1664 1663 1662 1661

10 AUGUST 1970

11.5 μ m

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4-211

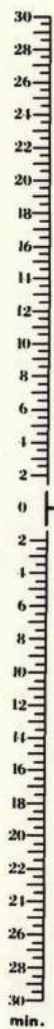


1674 1673 1672 1671 1670 1669 1668 1667 1666 1665 1664 1663 1662 1661

10 AUGUST 1970

6.7 μ m

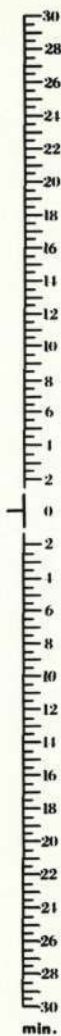
4-212



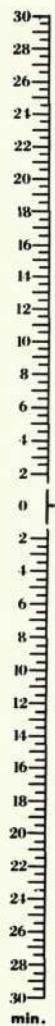
1687 1686 1685 1684 1683 1682 1681 1680 1679 1678 1677 1676 1675

11 AUGUST 1970

11.5 μ m



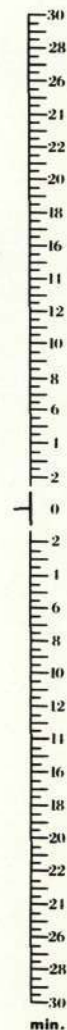
4-213



1687 1686 1685 1684 1683 1682 1681 1680 1679 1678 1677 1676 1675

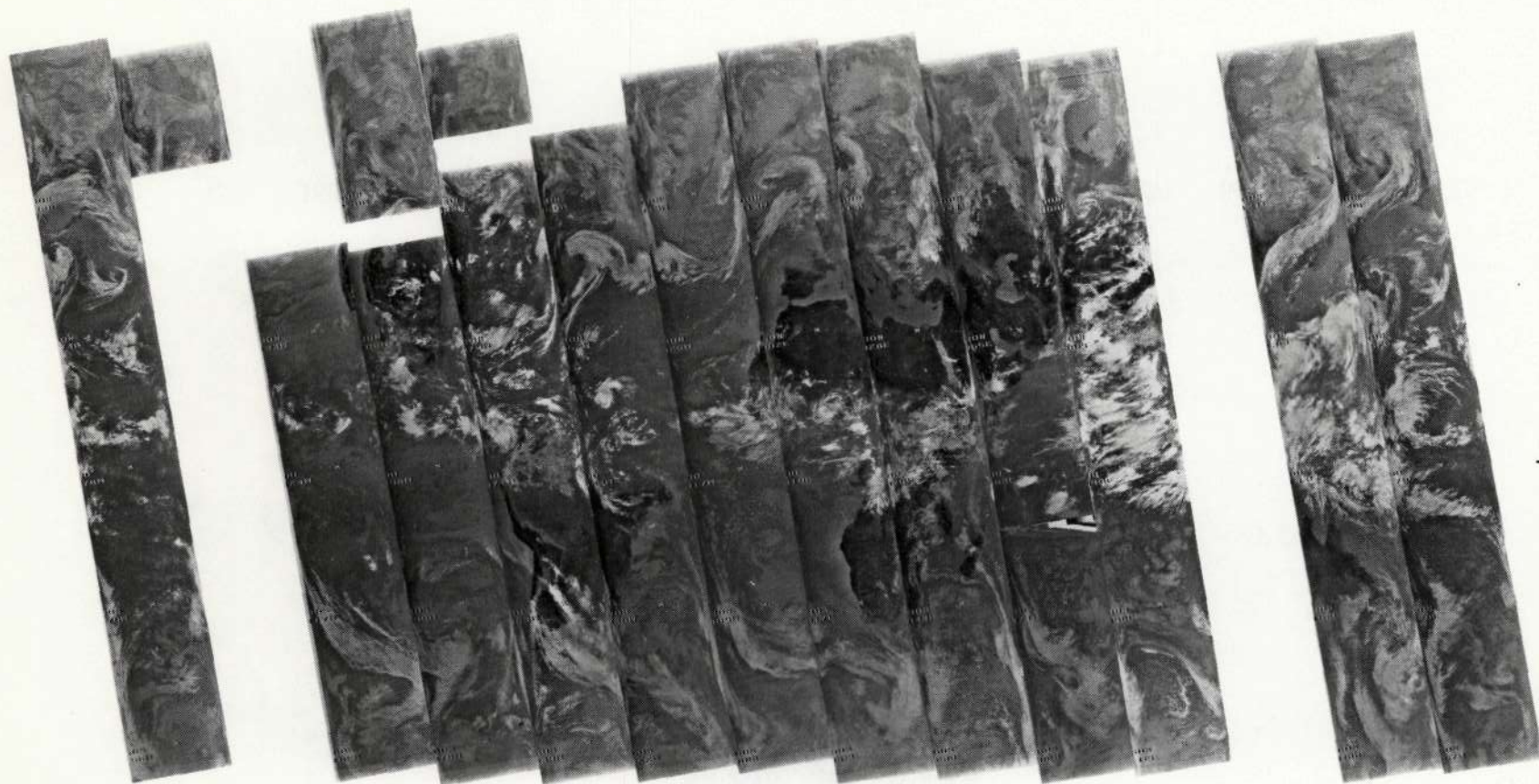
11 AUGUST 1970

6.7 μ m



4-214

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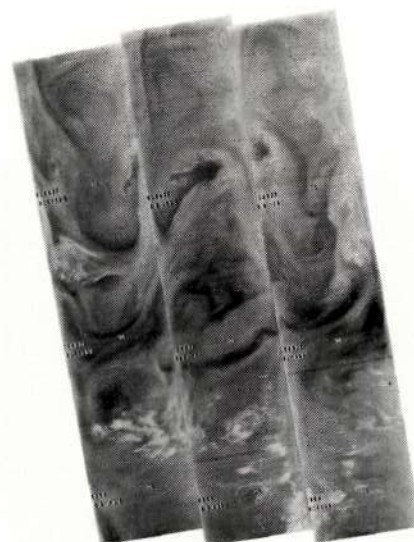
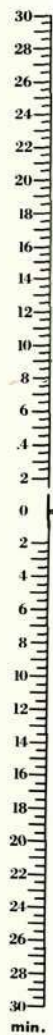
1701 1700 1699 1698 1697 1696 1695 1694 1693 1692 1691 1690 1689 1688

12 AUGUST 1970

11.5 μ m

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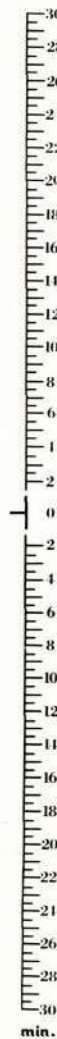
4-215



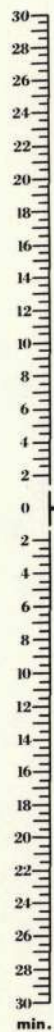
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12 AUGUST 1970

6.7 μ m



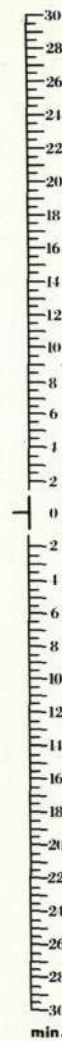
4-216



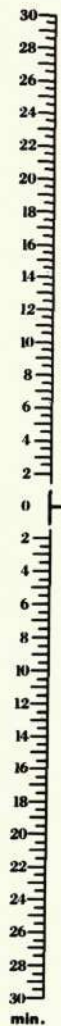
1714 1713 1712 1711 1710 1709 1708 1707 1706 1705 1704 1703 1702

13 AUGUST 1970

11.5 μ m



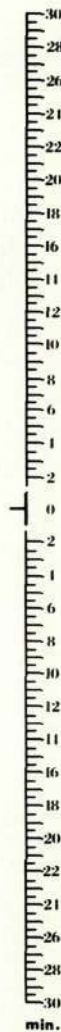
4-217



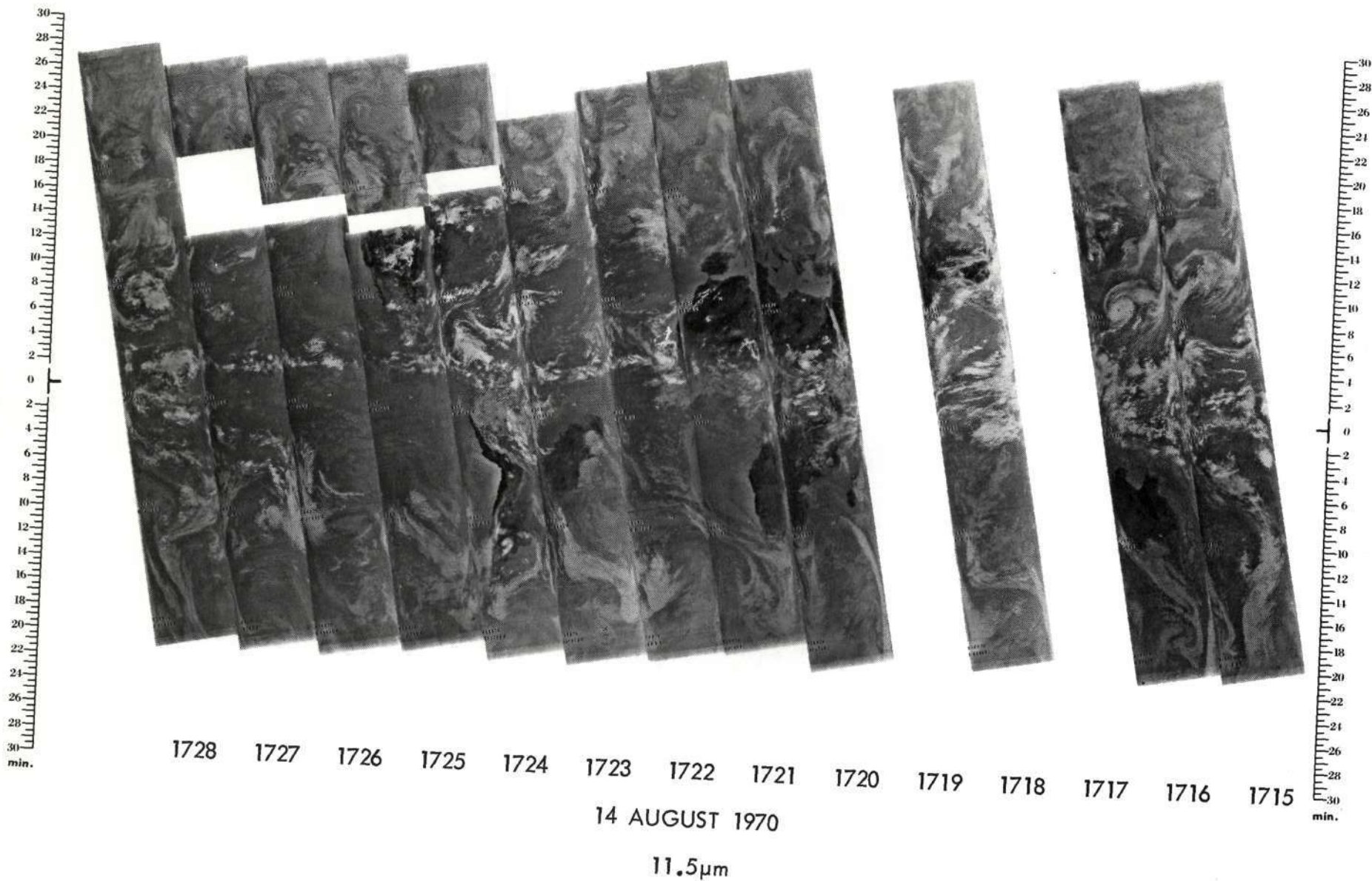
1714 1713 1712 1711 1710 1709 1708 1707 1706 1705 1704 1703 1702

13 AUGUST 1970

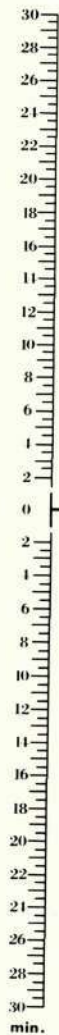
6.7 μ m



4-218



4-219



1728 1727 1726 1725 1724 1723 1722 1721 1720 1719 1718 1717 1716 1715

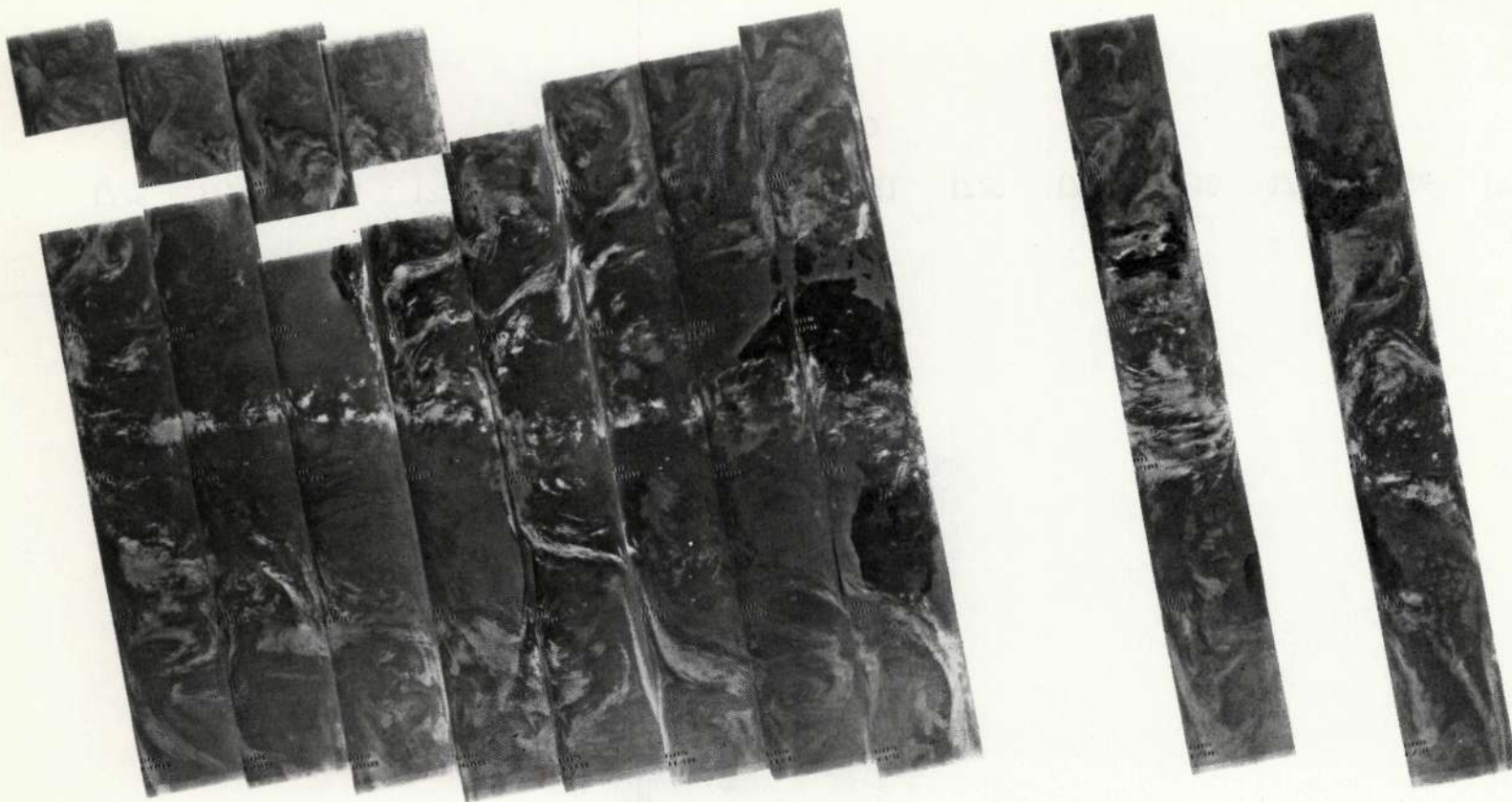
14 AUGUST 1970

6.7 μ m



4-220

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1741 1740 1739 1738 1737 1736 1735 1734 1733 1732 1731 1730 1729

15 AUGUST 1970

11.5 μ m

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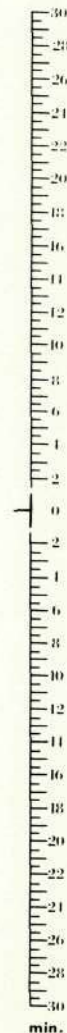
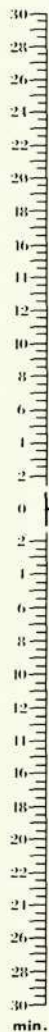
4-221



1741 1740 1739 1738 1737 1736 1735 1734 1733 1732 1731 1730 1729

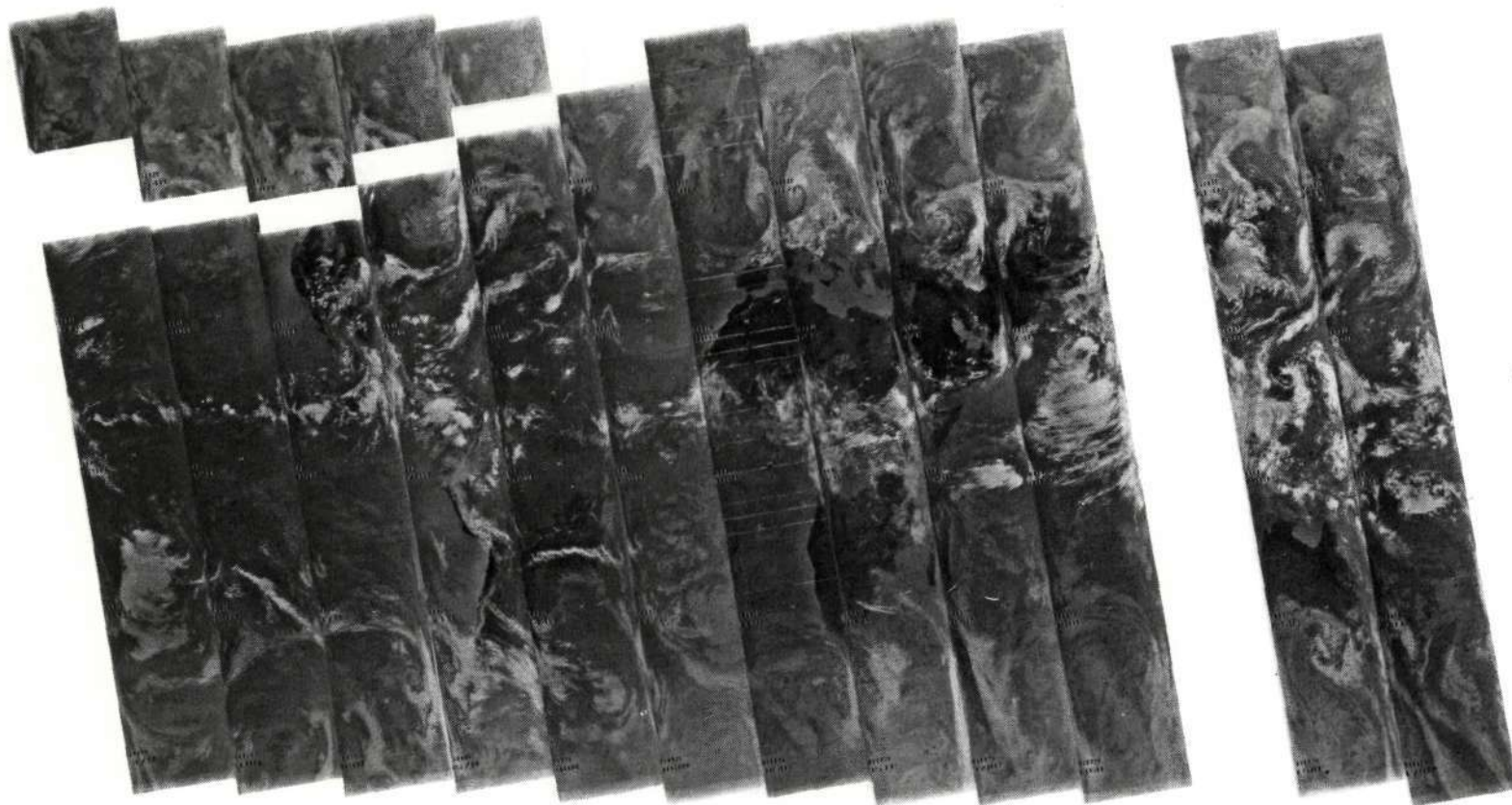
15 AUGUST 1970

6.7 μ m



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1754 1753 1752 1751 1750 1749 1748 1747 1746 1745 1744 1743 1742

16 AUGUST 1970

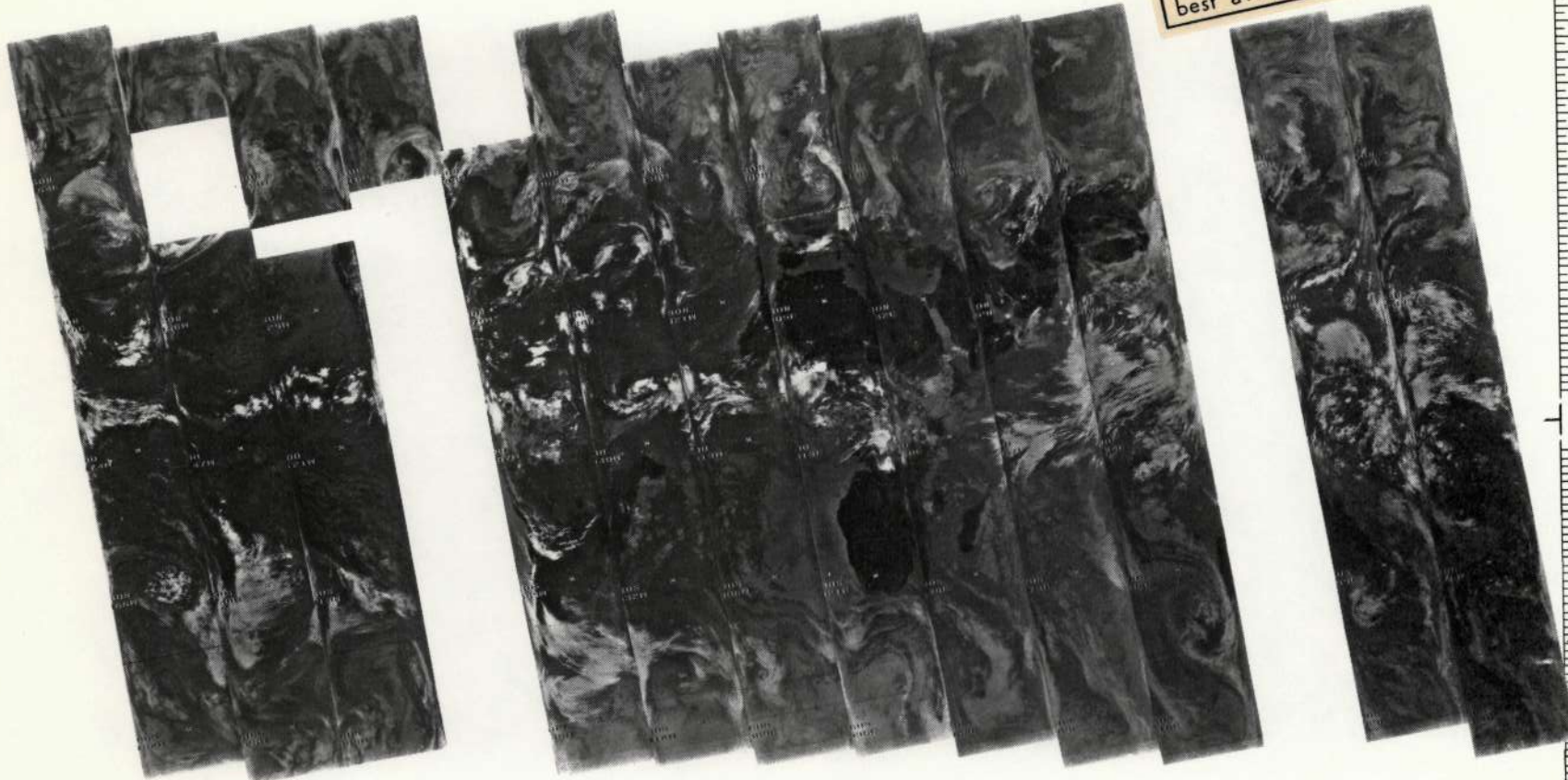
11.5 μ m

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16 AUGUST 1970 NO 6.7 μ m DATA

4-224

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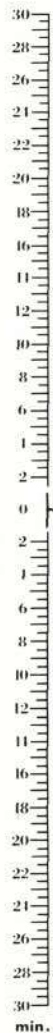
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17 AUGUST 1970

11.5 μ m

17 AUGUST 1970 NO 6.7 μ m DATA

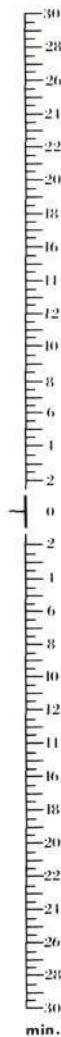
4-226



1781 1780 1779 1778 1777 1776 1775 1774 1773 1772 1771 1770 1769

18 AUGUST 1970

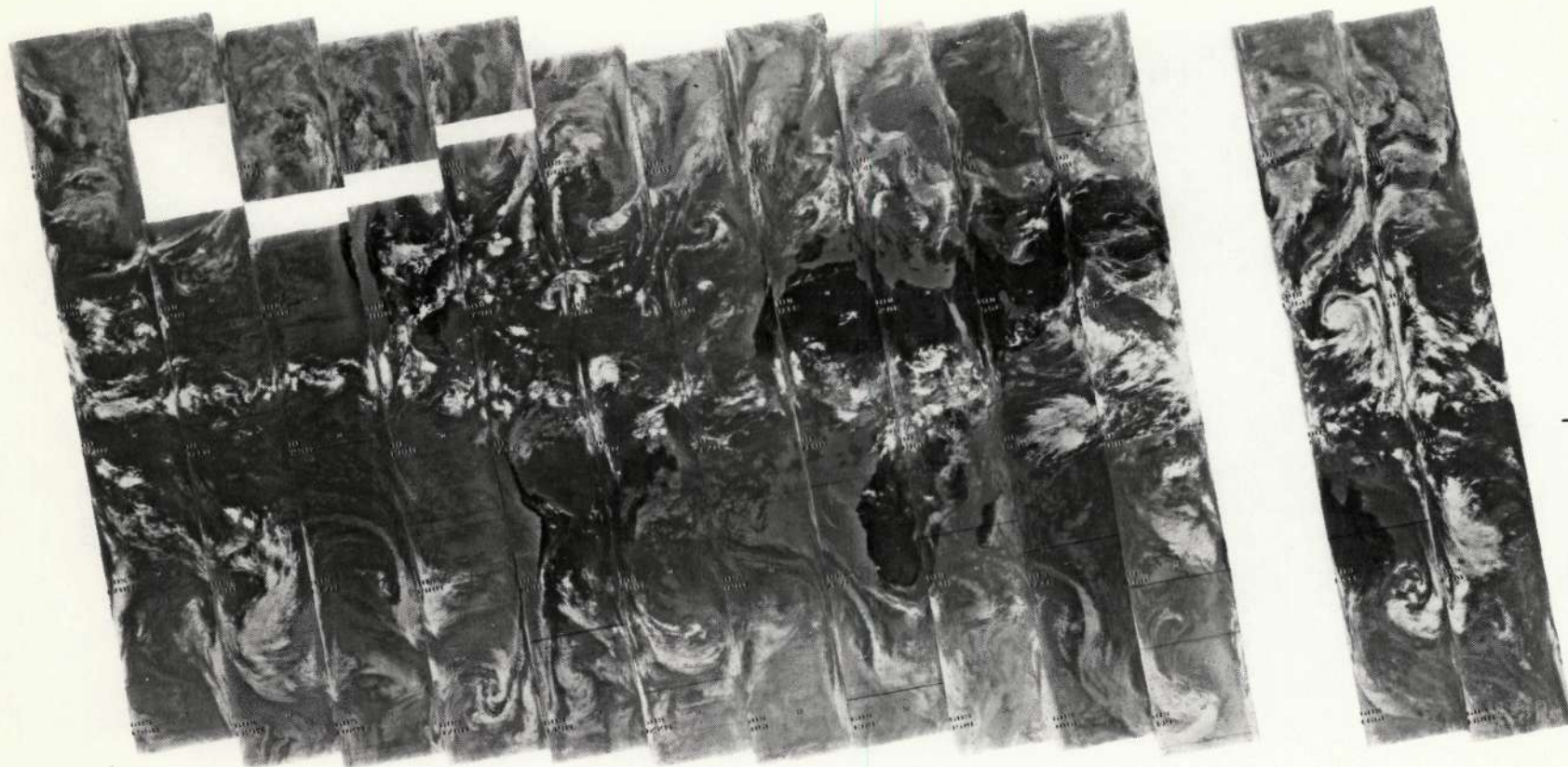
11.5 μ m



18 AUGUST 1970 NO 6.7 μ m DATA

4-228

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1795 1794 1793 1792 1791 1790 1789 1788 1787 1786 1785 1784 1783 1782

19 AUGUST 1970

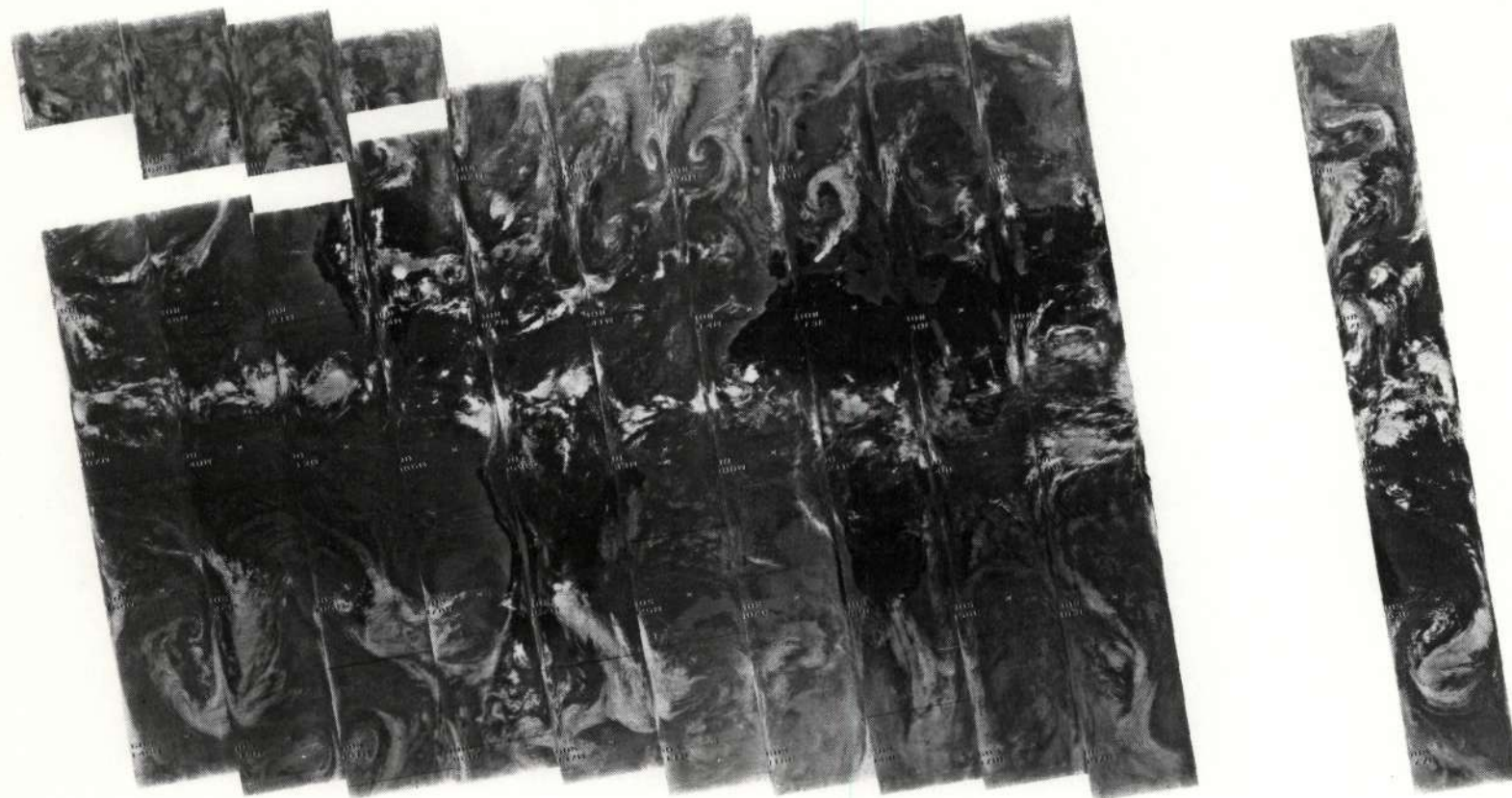
11.5µm

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19 AUGUST 1970 NO 6.7 μ m DATA

4-230

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1808 1807 1806 1805 1804 1803 1802 1801 1800 1799 1798 1797 1796

20 AUGUST 1970

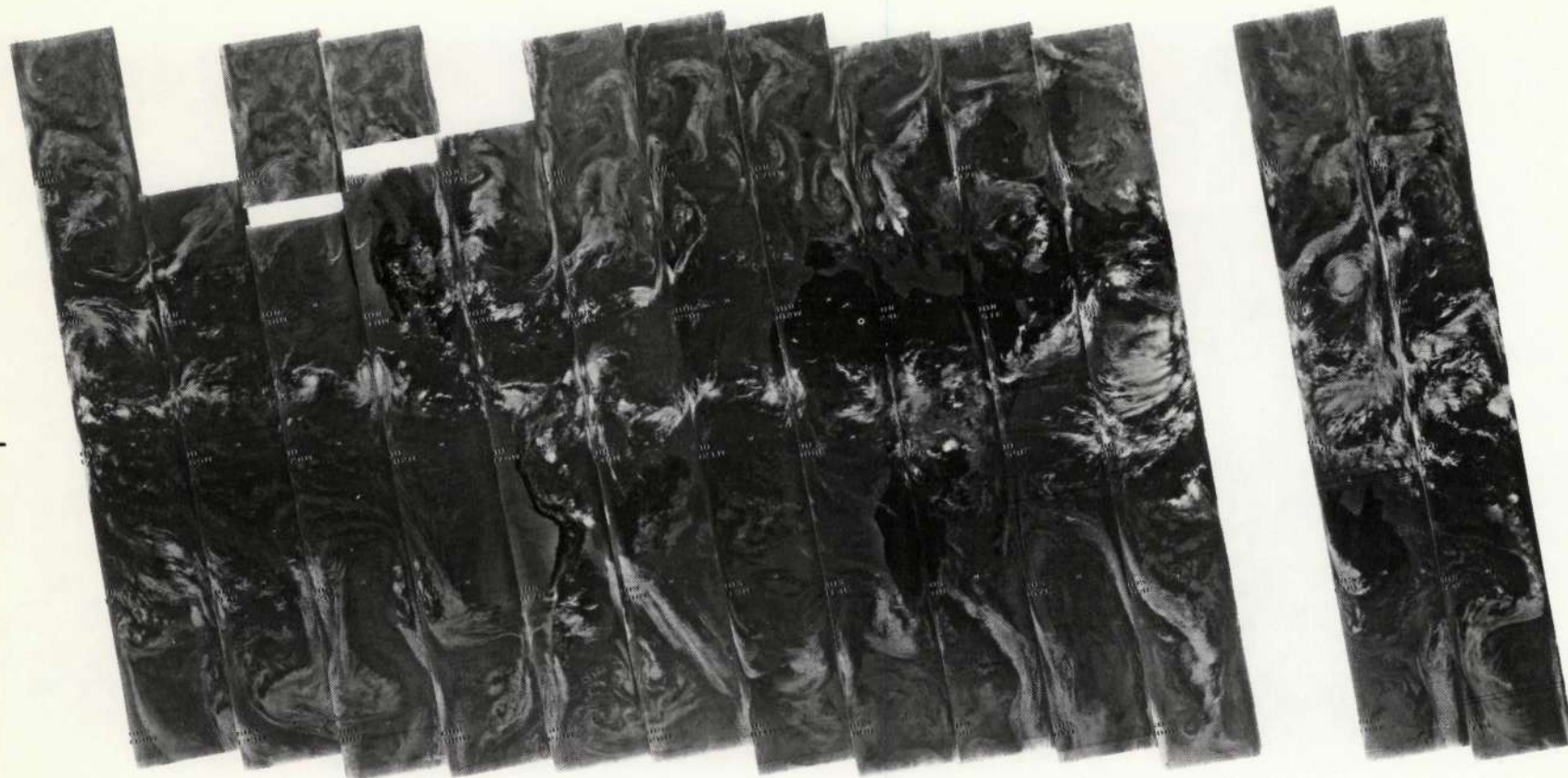
11.5 μ m

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20 AUGUST 1970 NO 6.7 μ m DATA

4-232

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1822 1821 1820 1819 1818 1817 1816 1815 1814 1813 1812 1811 1810 1809

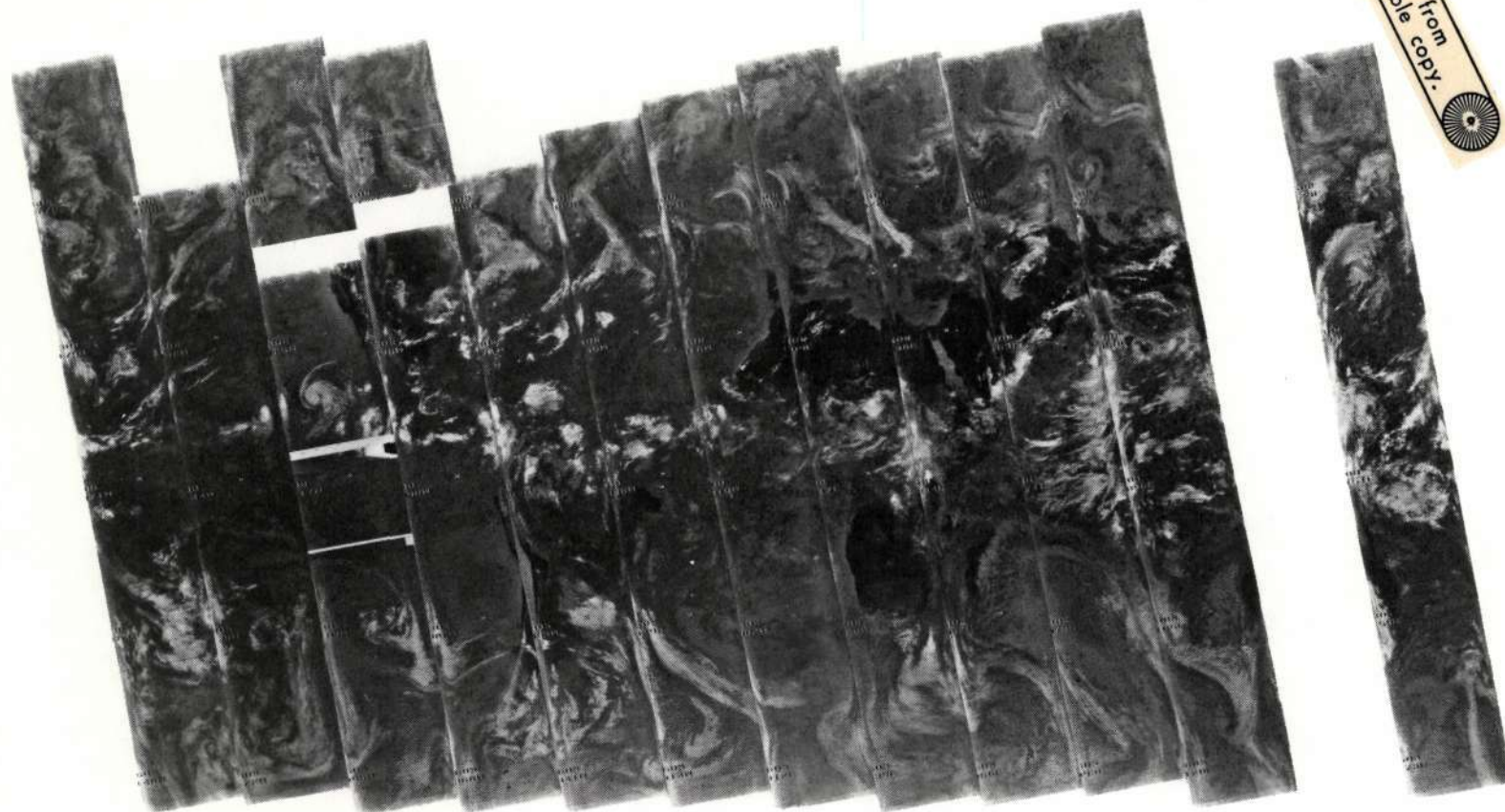
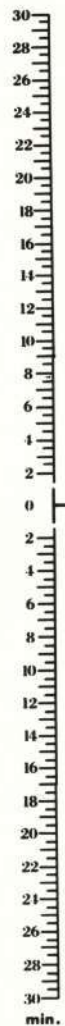
21 AUGUST 1970

11.5 μ m

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21 AUGUST 1970 NO 6.7 μ m DATA

4-234

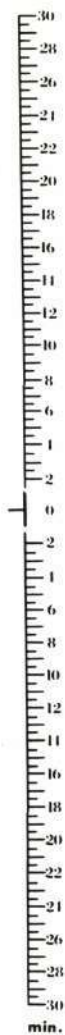


1835 1834 1833 1832 1831 1830 1829 1828 1827 1826 1825 1824 1823

22 AUGUST 1970

11.5 μ m

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22 AUGUST 1970 NO 6.7 μ m DATA

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1848 1847 1846 1845 1844 1843 1842 1841 1840 1839 1838 1837 1836

23 AUGUST 1970

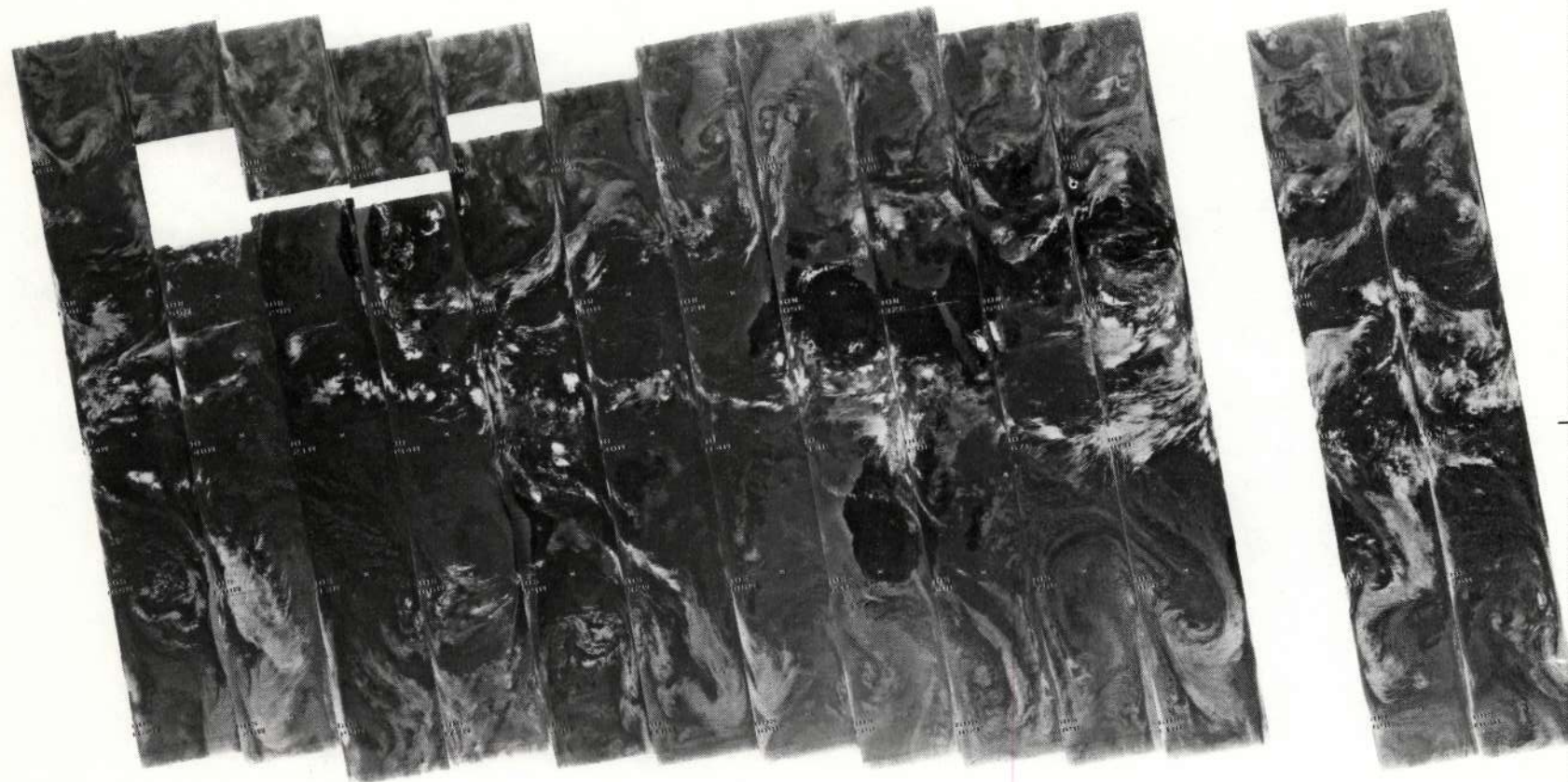
11.5 μ m

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23 AUGUST 1970 NO 6.7 μ m DATA

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1862 1861 1860 1859 1858 1857 1856 1855 1854 1853 1852 1851 1850 1849

24 AUGUST 1970

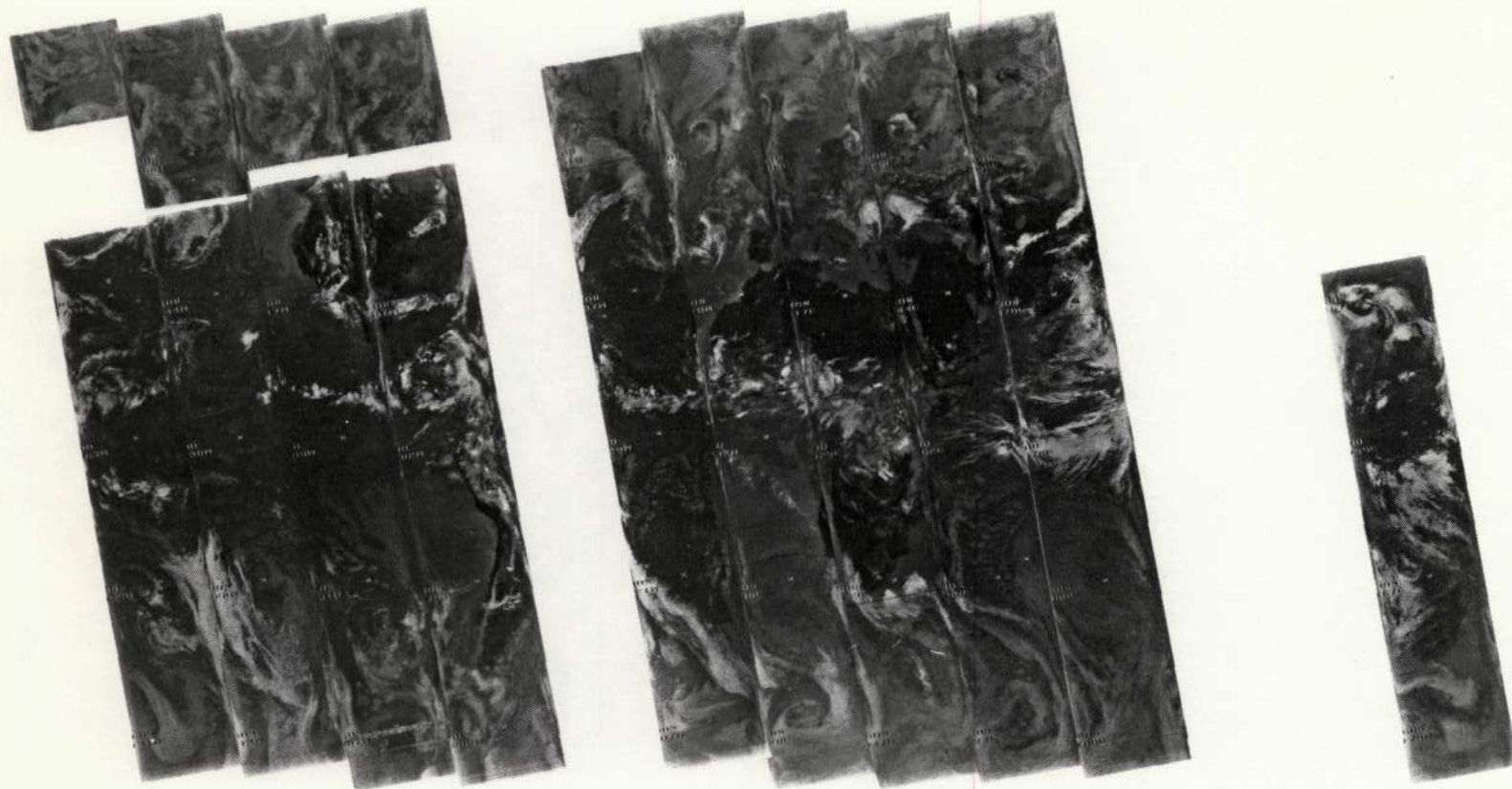
11.5 μ m

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24 AUGUST 1970 NO 6.7 μ m DATA

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1875 1874 1873 1872 1871 1870 1869 1868 1867 1866 1865 1864 1863

25 AUGUST 1970

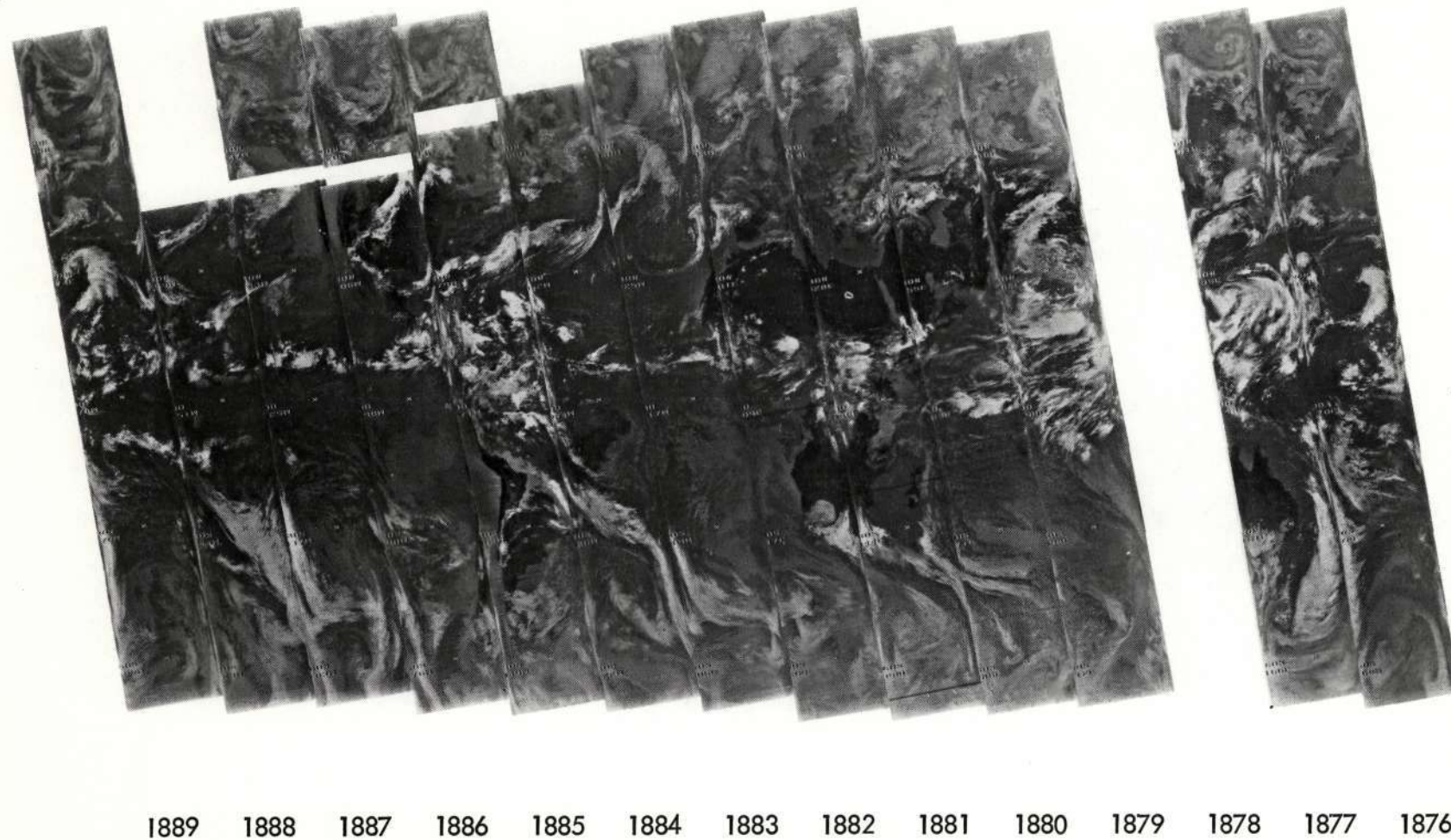
11.5 μ m

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25 AUGUST 1970 NO 6.7 μ m DATA

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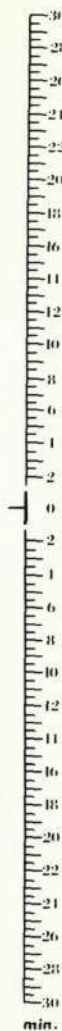


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26 AUGUST 1970

11.5 μ m

26 AUGUST 1970 NO 6.7 μ m DATA

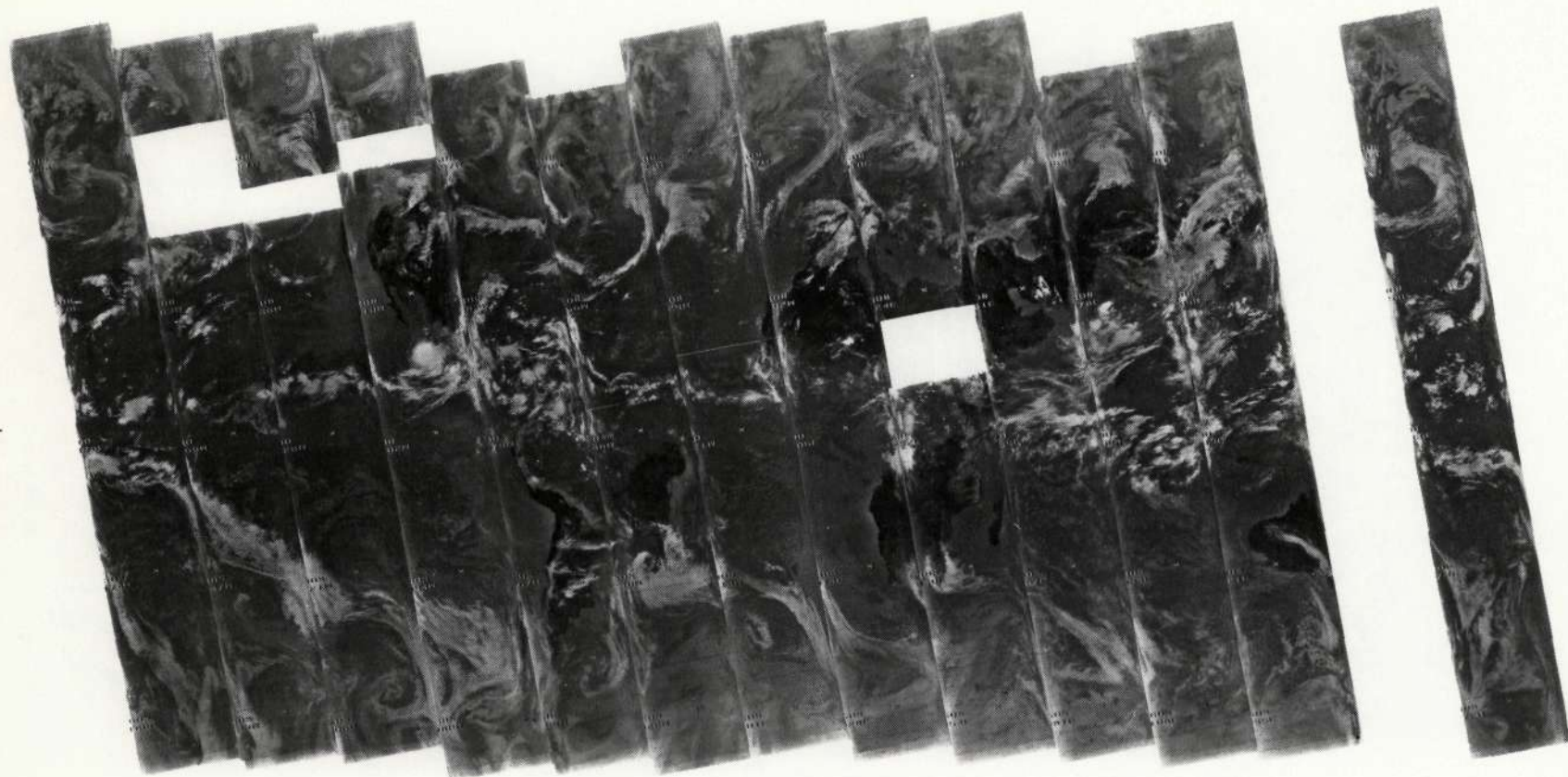


11.5 μm

27 AUGUST 1970 NO 6.7 μ m DATA

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1916 1915 1914 1913 1912 1911 1910 1909 1908 1907 1906 1905 1904 1903

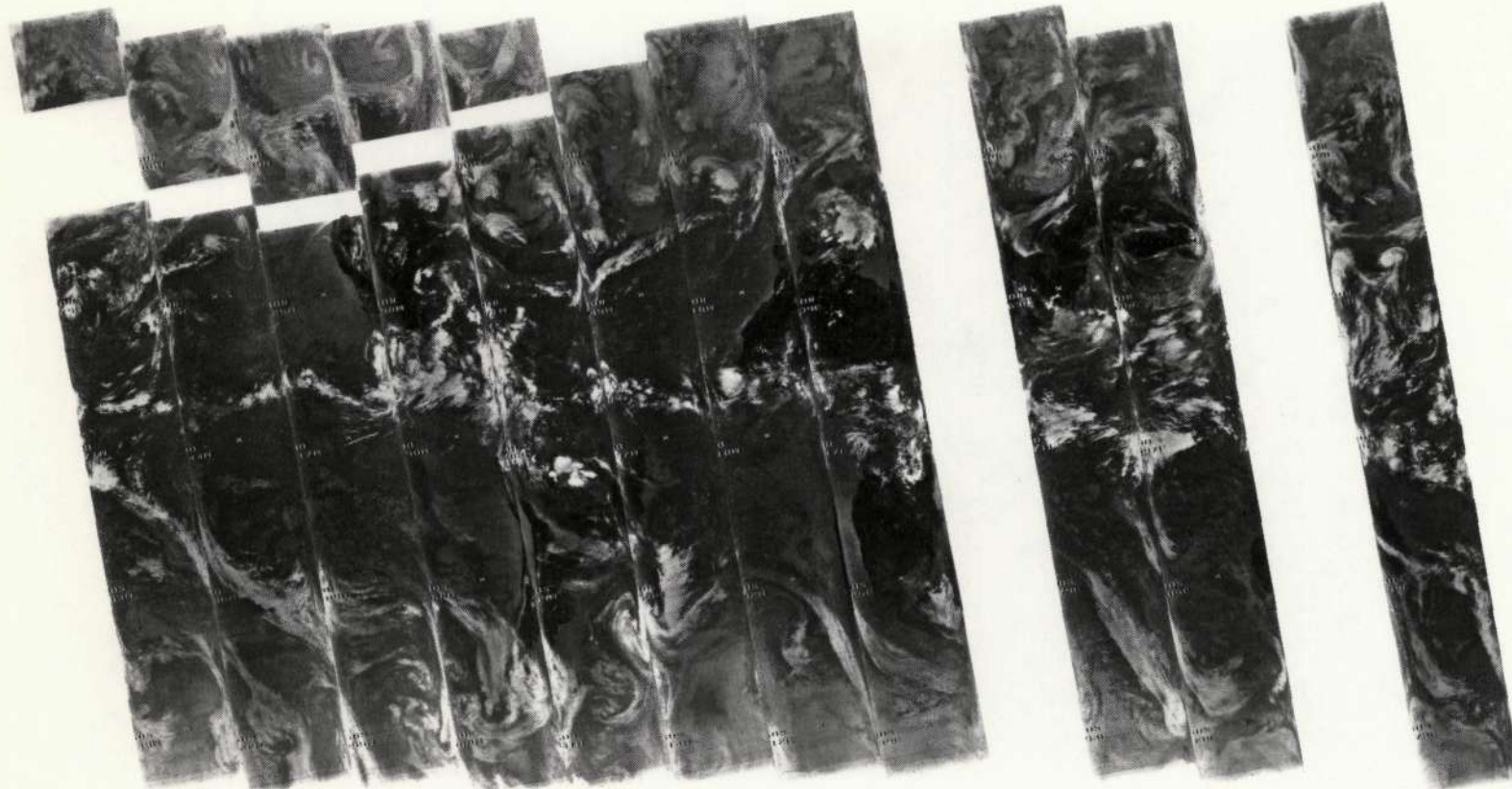
28 AUGUST 1970

11.5 μ m

28 AUGUST 1970 NO 6.7 μ m DATA

4-248

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1929 1928 1927 1926 1925 1924 1923 1922 1921 1920 1919 1918 1917

29 AUGUST 1970

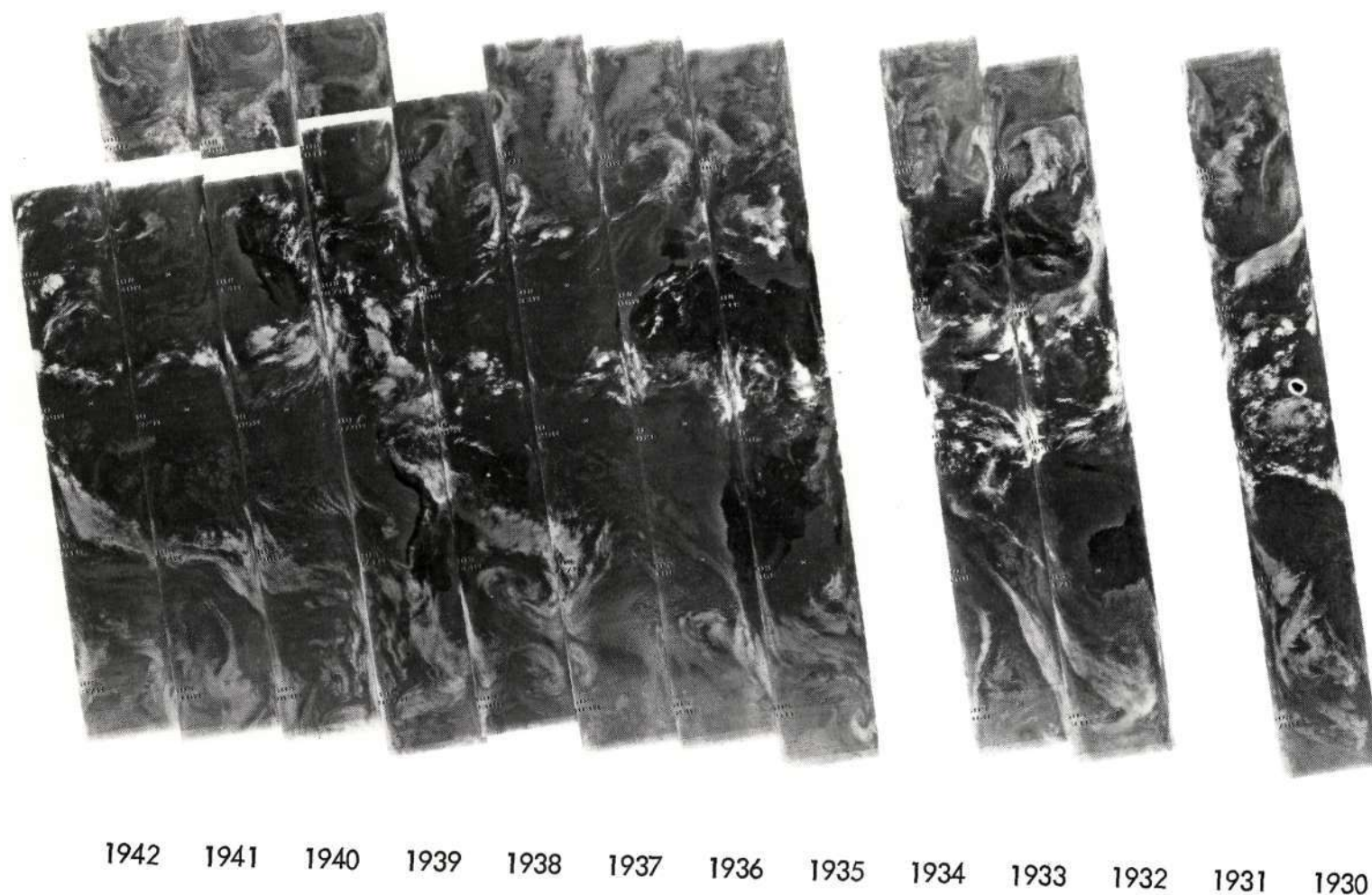
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29 AUGUST 1970 NO 6.7 μ m DATA

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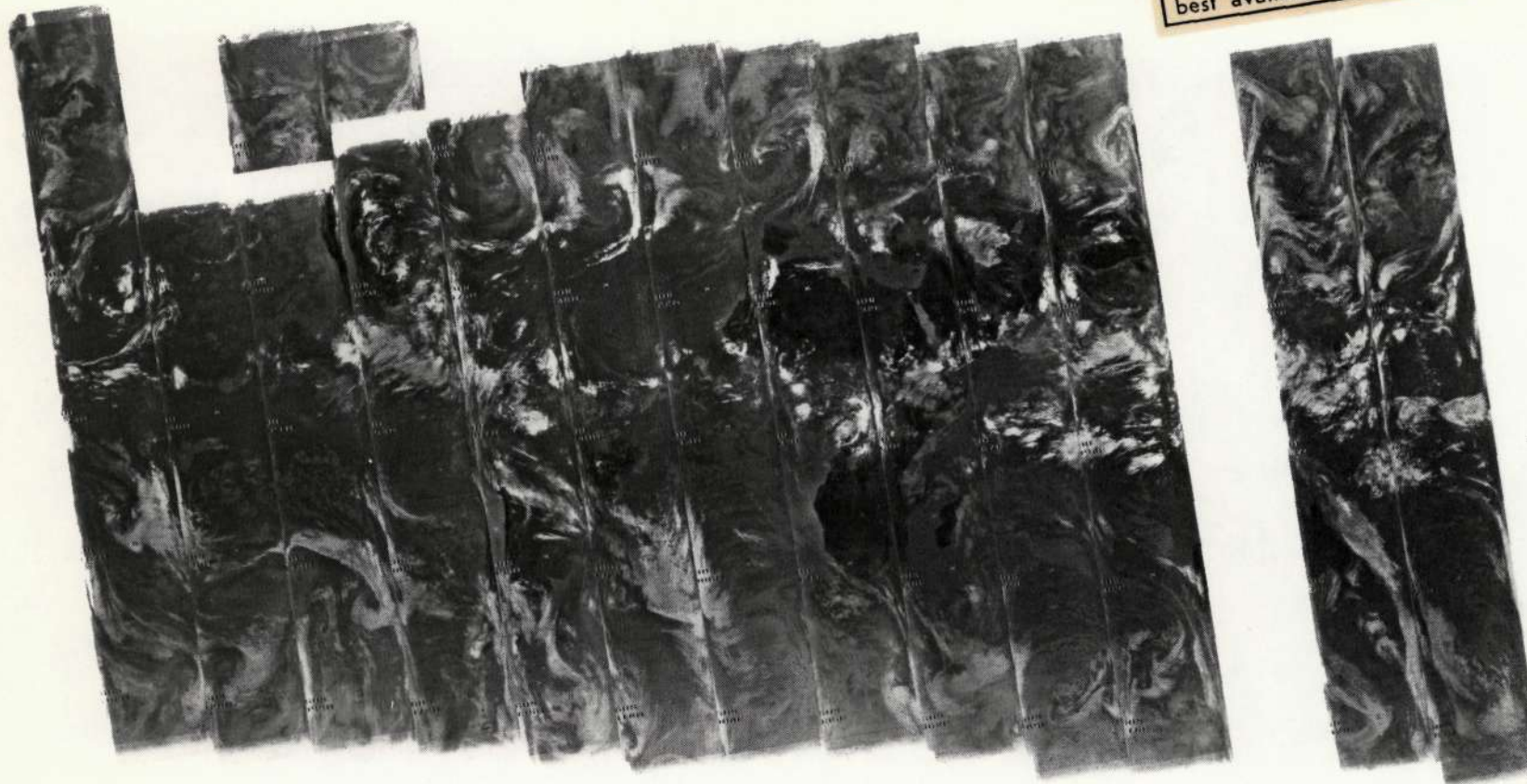
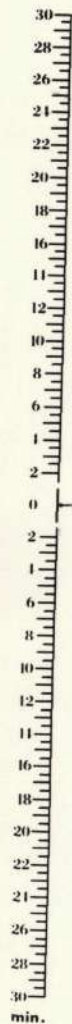
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11.5 μ m

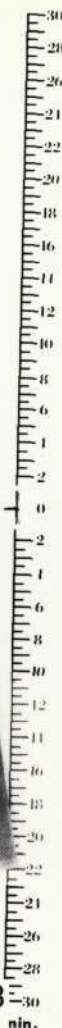
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30 AUGUST 1970 NO 6.7 μ m DATA

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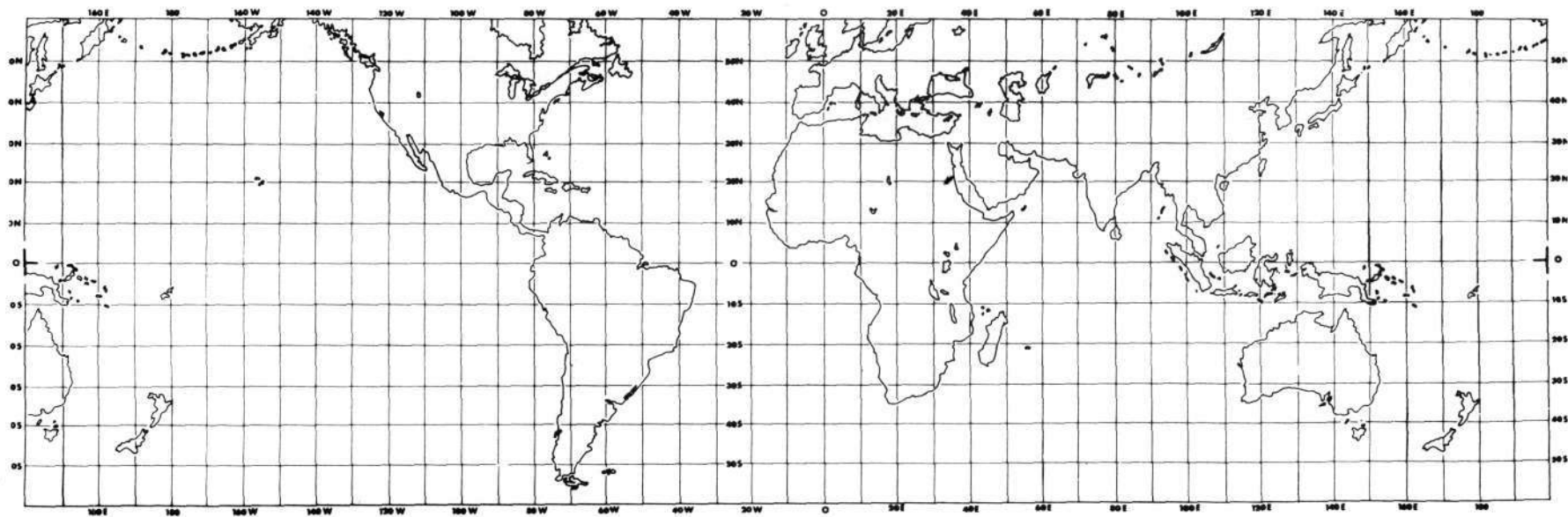
1956 1955 1954 1953 1952 1951 1950 1949 1948 1947 1946 1945 1944 1943

31 AUGUST 1970

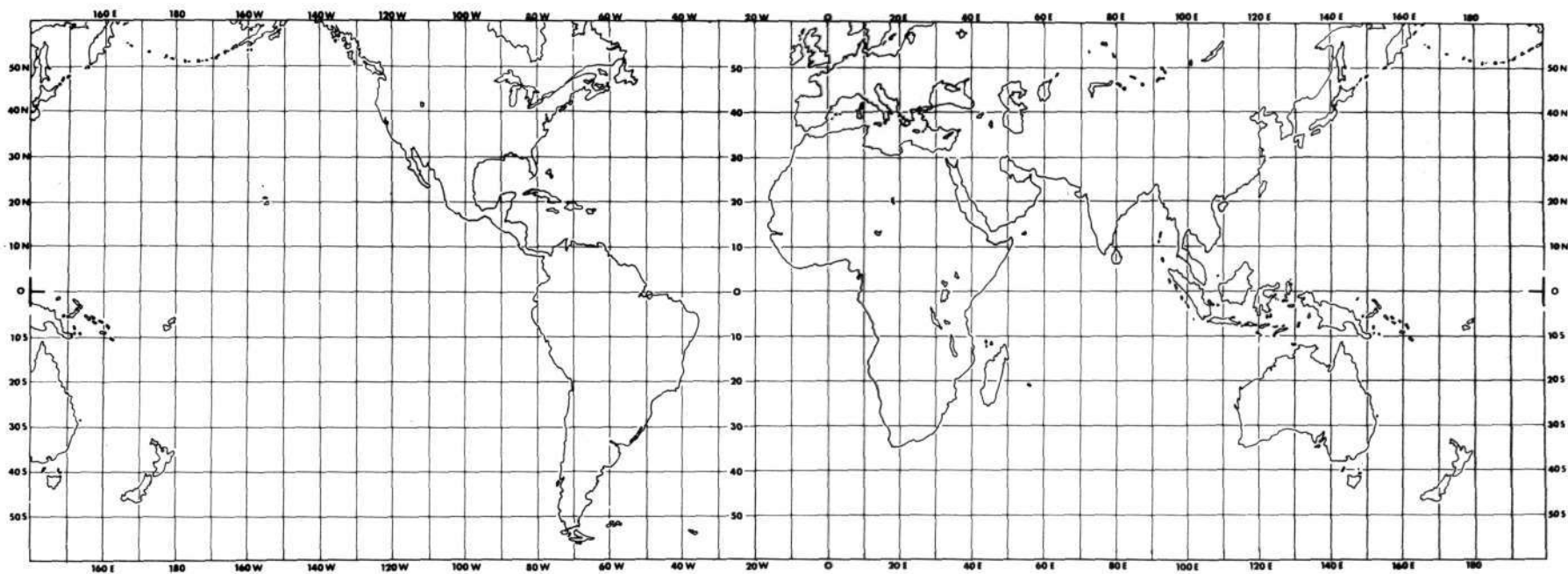
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31 AUGUST 1970 NO 6.7 μ m DATA

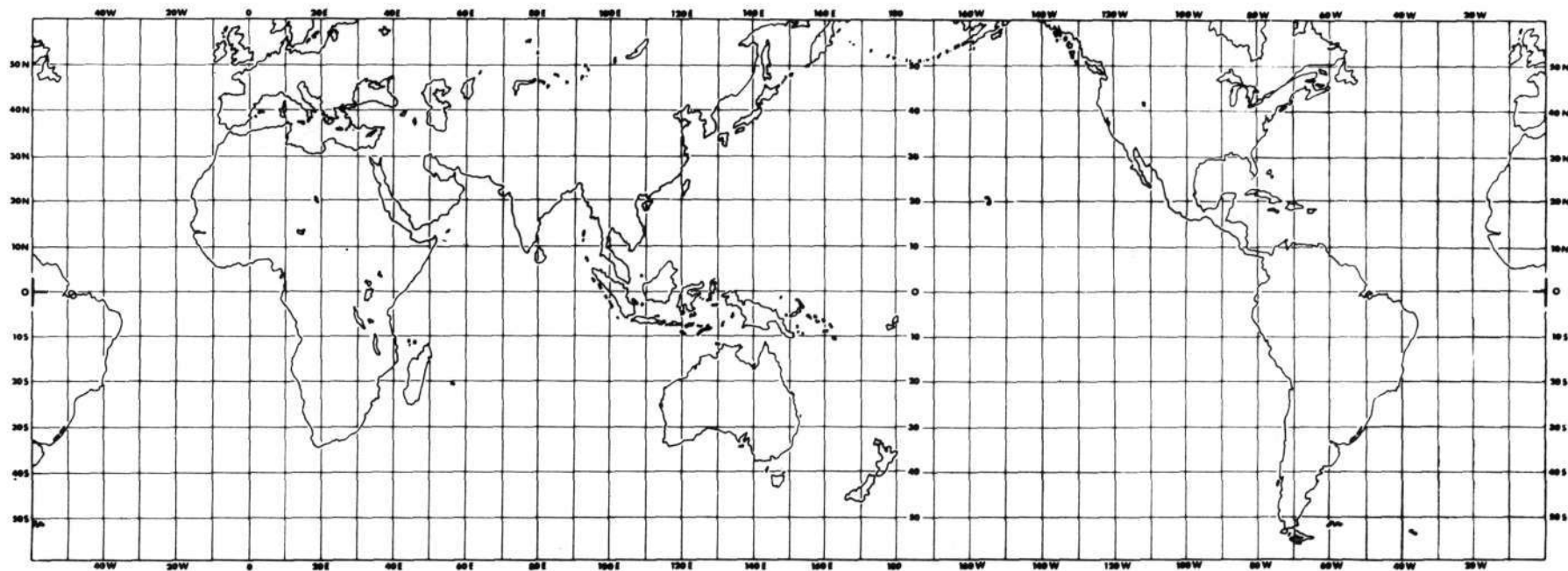
4-254

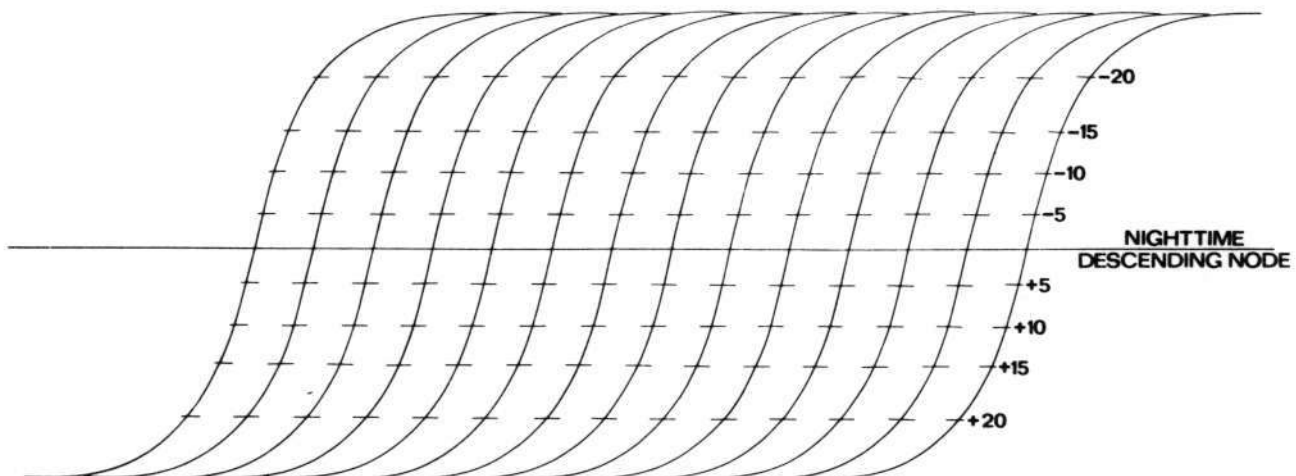


**Location Guide
Average Scale for Nimbus 4
IDCS Montages**

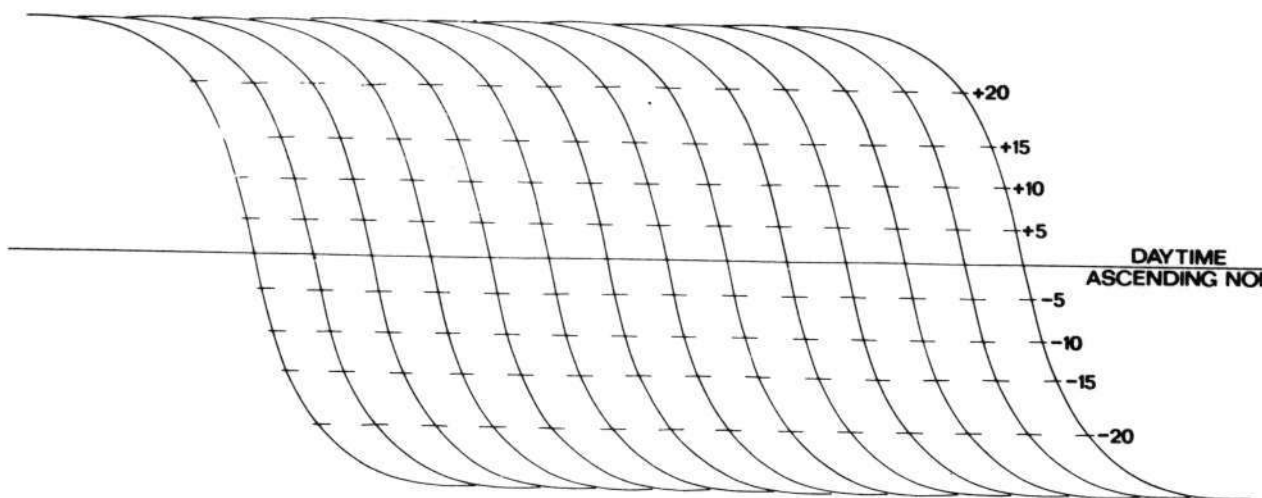


Location Guide
Average Scale for Nimbus 4
THIR Daytime Montages





NIMBUS 4 SUBSATELLITE TRACKS OVERLAY



NIMBUS 4 SUBSATELLITE TRACKS OVERLAY

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